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NITROGEN AND PHOSPHORUS IN WASTEWATER EFFLUENTS. (A PRELIMINARY ANALYSIS OF NATIONAL EUTROPHICATION SURVEY DATA COLLECTED DURING THE 1972-73 SAMPLING PERIOD).

Pacific Northwest Environmental Research Laboratory

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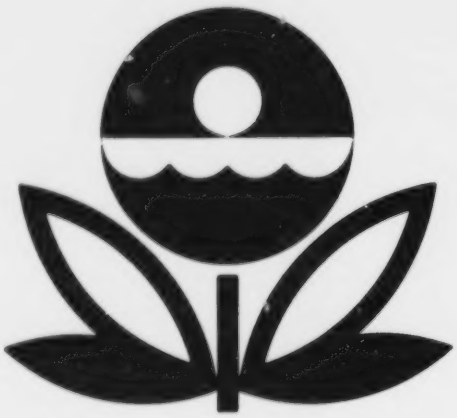

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16. ABSTRACT

Monthly effluent samples collected for a period of one year were analyzed for nitrogen and phosphorus content. Over 500 municipal sewage treatment plants in the eastern United States were involved in the program. Although there was wide variation between plants, median total phosphorus and total nitrogen concentrations were 5.89 mg/l and 15.00 mg/l respectively. The median annual per capita load discharged was 2.2 lbs phosphorus/capita/year and 6.0 lbs nitrogen/capita/year.

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NITROGEN AND PHOSPHORUS

IN WASTEWATER EFFLUENTS

WORKING PAPER NO. 22

A Preliminary Analysis of
National Eutrophication Survey Data
Collected During
the 1972-73 Sampling Period

National Eutrophication Survey
Pacific Northwest Environmental Research Laboratory
Corvallis, Oregon
July, 1974

Introduction

The National Eutrophication Survey (NES) was initiated by the U.S. Environmental Protection Agency in 1972 with the primary mission of identifying and investigating those lakes and reservoirs in the contiguous United States which were in danger of eutrophication caused by phosphorus inputs from municipal sewage treatment plant discharges.

In its entirety, the NES effort included sampling of each lake included in the survey, the tributaries and outlets of each lake, and municipal waste treatment facilities which impacted each lake either by direct discharge to the water body or to a tributary of the water body.

The magnitude of the NES effort made it necessary to conduct the sampling by groups of states, starting generally in the eastern United States and working further west each year. In 1972 and 1973, sampling was started in all of the 27 states east of the Mississippi River (including Minnesota)

In the 27 states, the operators of approximately 750 municipal and industrial waste treatment plants agreed to cooperate in the sampling program. In this report are presented the data for about 500 of these plants from which five or more samples were received and analyzed for nitrogen and phosphorus content. The 500 facilities served a total of nearly seven million people.

Each state is not equally represented by the number of plants sampled because the number of surveyed lakes, the number of treatment plants

impacting lakes, and the success of the Survey in recruiting operator assistance varied from state to state. Therefore, the results presented in this report are not necessarily representative of the quality of waste treatment in each of the states because the sampled plants were not randomly selected nor were there equal numbers of plants sampled in each state. In addition, only in the last four or five years have the nutrients in treatment plant effluents been a real concern to the general public and those responsible for planning and building waste treatment facilities. Consequently, most waste treatment facilities were designed to remove settleable solids and biodegradable organic matter with little concern for nitrogen and phosphorus removal. Therefore, even a well-operated plant may reduce the biochemical oxygen demand without significantly reducing available nutrients.

Methods

With the cooperation of the state water pollution control agencies, municipal sewage treatment plants which impacted each surveyed lake or reservoir were identified. These were plants whose effluent was discharged either directly to the lake or to a tributary of the lake within about 25 miles of the lake.

Either by direct contact of Survey staff with the plant operator, with the approval of the State Agency, or preferably by contact of State Agency personnel with the plant operator, his cooperation was requested in providing monthly effluent samples for a period of one year.

Essential information about treatment type and the population served by each plant was obtained through a questionnaire which was completed either by individual plant operators or by personnel of the appropriate state agency.

Each cooperating operator was asked to provide one of the following types of samples ranging from most desirable (number 1) to least desirable (number 4).

1. A once-monthly 24-hour composite sample of one liter (proportional composite if flows are metered or measured), or

2. A once-monthly 8-, 10-, or 12-hour composite sample of one liter (proportional if flows are metered or measured), or

3. A once-monthly modified composite sample consisting of about 500 milliliters (ml) collected at 11 AM and another 500 ml collected at 4 PM of the same day, or

4. As the least desirable alternative, a once-monthly single grab sample of about one liter collected on a weekday between the hours of 8 AM and 8 PM.

After the operator had agreed to cooperate, he was provided with a sampling kit including instructions, sample containers (one-liter cubitainers), mercuric chloride preservative, shipping boxes and pre-addressed, franked shipping labels.

Following collection, the operator preserved the sample by adding the contents of a vial containing sufficient mercuric chloride to achieve a concentration of 400 mg/l in the sample. The sample collector then filled out the label (shown below) packed the sample in the shipping container, and mailed it to the Pacific Northwest Environmental Research Laboratory in Corvallis, Oregon for nutrient analysis.

NATIONAL EUTROPHICATION SURVEY

STORET NO.

PLANT NAME

COLLECTION DATE

CIRCLE SAMPLE TYPE: GRAB COMPOSITE

COLLECTION TIME

SAMPLE DAY FLOW MGD

AVG. DAILY FLOW FOR MONTH MGD

PRESERVATIVE ADDED

COLLECTORS SIGNATURE

(2700)

Upon receipt in the laboratory the samples were mixed in a blender for one minute; then an aliquot was filtered through a glass-fiber filter (Gelman #61694-type A or equivalent) and the filtrate was stored in a screw-capped test tube until analyzed.

Both the unfiltered and filtered portions of the effluent samples were diluted ten-fold with distilled water prior to analysis.

The filtered samples were used for the analysis of nitrite, nitrate, ammonia and dissolved orthophosphorus, while the unfiltered portion of each sample was used for Kjeldahl nitrogen and total phosphorus analysis. All analyses were preformed on a Technicon Auto Analyzer II (industrial unit) according to the general procedures described in EPA Methods for Chemical Analysis of Water and Wastes (1971) and summarized below in Table 1.

TABLE 1

Analytical Methods and Precision of Wastewater Effluent Analysis

Parameter	Method	Precision
Dissolved Orthophosphate	Single reagent methods involving colorimetric determination of antimony-phosphomolybdate complex.	±0.05 mg/l or ±5%
Total Phosphorus	Persulfate oxidation followed by the above method for dissolved orthophosphate.	±0.05 mg/l or ±5%
Nitrite-N	Diazotization of sulfanilamide by nitrite coupled with N-(1-naphthyl)-ethylene diamine.	±0.01 mg/l or ±2%
Nitrite-Nitrate-N	Cadmium reduction.	±0.1 mg/l or ±5%
Nitrate-N	Determined by difference.	±0.1 mg/l or ±5%
Ammonia-N	Alkaline phenol hypochlorite reaction producing an indophenol blue.	±0.05 mg/l or ±5%
Kjeldahl-N	Manual acid digestion followed by procedure for ammonia nitrogen.	±1.0 mg/l or ±5%

Results

The individual plant data summarized in this report may be found in Appendix A.

Seventy-eight (15.4%) of the sampled plants had mean total phosphorus concentrations of less than 3 mg/l which is lower than would normally be expected in domestic waste. The low concentrations of ten plants can be accounted for by the fact that phosphorus removal processes were in use; however, the reasons for the other low values are unknown but could be determined by a followup investigation in each case.

The concentration data for both phosphorus and nitrogen should be reliable, assuming that the operators provided us with representative samples, which we believe the majority did. The data presented in the Appendix most subject to error are the values for population served, effluent flow rates and, of course, the per-capita contributions which are dependent on the other values. Considerable effort was devoted to checking the population and flow figures; however, it is possible that some errors were not detected.

Substantial variations in nutrient effluent concentrations could be predicted between plants, for concentrations would be influenced by the amount and type of industrial waste load, treatment type, quality of treatment, degree of hydraulic infiltration, and other factors. To minimize the effect of the variability and of any undetected errors, median values were used in the report although mean values are also given occasionally for comparative purposes.

Median effluent total phosphorus concentrations by state (see Table 2) ranged from 3.40 to 8.80 mg/l with a median value for all samples of 5.89 mg/l and a mean value of 6.56 mg/l. It is interesting to note that the lowest median concentrations for total phosphorus occurred in New York, Indiana, Maine, and Michigan. New York instituted a phosphorus ban in laundry detergents which became effective July 1, 1973, about halfway through the sampling program. Indiana had a similar ban which was effective throughout the entire sampling period and in Michigan, thirteen of the forty-one plants sampled were providing phosphorus removal.

Only three plants--serving a total population of 2,550--were sampled in Maine, so the results were not representative.

Median effluent concentrations of total nitrogen ranged from 10.45 to 19.10 mg/l by state. For all samples the median concentration was 15.00 mg/l and the mean was 16.53 mg/l.

Median per capita contributions of phosphorus by state ranged from 0.8 lbs P/capita/year to 3.8 lbs P/capita/year with a median value of 2.2 lbs and a mean value of 3.1 lbs/capita/yr for all samples.

Median per capita nitrogen contributions by state ranged from 2.4 lbs/capita/year to 10.5 lbs/capita/year with median and mean values for all samples of 6.0 and 8.4 lbs/capita/year respectively.

In Table 3, the phosphorus data are summarized by type of treatment with only those plant types with significant representation included.

TABLE 2

Median Effluent Concentrations and Annual Per Capita Loads for Phosphorus and Nitrogen for Wastewater Treatment Plants Sampled for the National Eutrophication Survey

State	Code	# Plants	Population Served	Median TP Load (lbs/capita/yr)	Median TN Load (lbs/capita/yr)	Median TP Conc. mg/l	Median TN Conc. mg/l
Alabama	01	25	930,022	2.2	4.8	4.75	10.50
Connecticut	09	14	123,800	3.5	10.0	6.00	16.86
Delaware	10	3	3,555	1.6	5.4	5.00	14.88
Florida	12	22	253,913	2.2	4.6	7.30	14.73
Georgia	13	27	450,612	3.8	5.2	7.90	14.20
Illinois	17	20	72,402	2.0	6.3	5.30	11.84
Indiana	18	22	52,072	1.2	4.0	3.50	11.58
Kentucky	21	13	53,296	3.0	5.9	6.05	12.04
Maine	23	3	2,550	0.8	2.4	3.54	18.04
Maryland	24	5	9,800	1.8	5.6	8.80	16.80
Massachusetts	25	10	153,500	2.4	7.3	5.25	16.10
Michigan	26	41	444,506	2.3	8.0	4.40	17.30
Minnesota	27	43	1,709,693	2.9	7.5	7.10	19.10
Mississippi	28	8	15,950	1.9	3.5	7.20	12.62

TABLE 2
(Page 2)

State	Code	# Plants	Population Served	Median TP Load (lbs/capita/yr)	Median TN Load (lbs/capita/yr)	Median TP Conc. mg/l	Median TN Conc. mg/l
New Hampshire	33	3	6,300	3.2	10.2	5.25	15.70
New Jersey	34	20	36,222	1.4	4.2	5.40	16.35
New York	36	40	253,371	1.7	6.7	3.40	13.54
North Carolina	37	18	98,266	3.3	6.3	6.80	12.58
Ohio	39	13	135,236	2.4	5.0	6.30	14.95
Pennsylvania	42	24	121,275	1.2	3.4	5.60	12.90
Rhode Island	44	2	8,723	2.6	8.0	4.90	11.93
South Carolina	45	36	289,327	2.4	5.3	7.00	13.00
Tennessee	47	35	821,179	2.1	4.2	7.60	11.86
Vermont	50	18	65,613	1.9	10.5	5.25	18.02
Virginia	51	21	310,193	2.1	7.2	6.00	15.50
West Virginia	54	5	26,000	1.2	5.7	5.76	10.45
Wisconsin	55	14	192,018	2.6	8.6	5.45	18.19
Totals and Median Values		505	6,639,394	2.2	6.0	5.89	15.00
Mean Values				3.1	8.4	6.56	16.53

Of the six types of treatment included, only the group of plants which specifically practiced phosphorus removal averaged substantially lower effluent total phosphorus concentrations. Effluent concentrations in those plants which practiced phosphorus removal were less than 50% of the total phosphorus concentrations in the effluent of plants of other treatment types.

The data in Table 3 also support the contention that secondary treatment without phosphorus removal tends to provide a higher percentage of phosphorus readily available for algal assimilation than does primary treatment. About 54% of the phosphorus discharged by primary treatment facilities was in the orthophosphorus form while the discharges from oxidation ponds, sand filters, trickling filters, and activated sludge facilities had 72-83% of the phosphorus in the dissolved ortho-form which is readily available for algal uptake.

The data for nitrogen in wastewater treatment plant effluents are summarized in Table 4. These data indicate that, on the average, the highest total nitrogen and ammonia concentrations were found in the effluents of primary treatment plants while the lowest concentrations were observed in oxidation pond effluents. The latter is probably due to the fact that ample opportunity exists for algal assimilation, sedimentation, and denitrification to occur. Effluents from activated sludge plants averaged considerably less ammonia and slightly less total nitrogen than trickling filter plant effluents. Phosphorus removal processes produced effluents with nitrogen concentrations similar to those of activated sludge units.

TABLE 3

Summary of Phosphorus in Effluents of
Various Types of Wastewater Treatment Plants

Plant Type*	No. of Plants	Population Served	Median Dissolved O-P (mg/l)	Median Total P (mg/l)
Primary Settling & Digestion	53	1,063,609	3.03	5.64
Oxidation Pond	46	102,671	4.48	5.83
Sand Filter	11	33,905	4.00	4.83
Trickling Filter	160	1,634,794	4.63	6.43
Activated Sludge	187	3,427,442	4.51	5.84
Phosphorus Removal	16	227,773	1.65	2.53

* Highest degree of treatment given.

TABLE 4

Summary of Nitrogen in Effluents of Various Types of Wastewater Treatment Plants

Plant* Type	No. of Plants	Median Ammonia-N Conc. (mg/l)	Median Nitrite-Nitrate-N Conc. (mg/l)	Median Total N Conc. (mg/l)
Primary Settling & Digestion	53	4.39	0.76	20.98
Oxidation Pond	46	1.18	0.26	10.89
Sand Filter	11	2.86	5.41	12.77
Trickling Filter	160	3.79	2.08	16.31
Activated sludge	180	1.58	2.60	14.31
Phosphorus Removal	16	1.90	3.24	13.15

* Highest degree of treatment given.

At least when the data were grouped on the basis of population served, the size of the treatment facility had little relationship to the concentration of nitrogen and phosphorus in the effluent as demonstrated in Table 5. Over the four groupings by population served, total phosphorus mean concentrations ranged from 6.15 to 6.74 mg/l while total nitrogen ranged from 16.10 to 17.76 mg/l.

Nitrogen to phosphorus ratios in the effluent of an activated sludge plant of 2-3 have been suggested by Bartsch (1972). The ratio determined by Survey data for all plants for N/P was 2.5 with a range of 1.9-5.2/1 for various types of treatment as shown in Table 6.

Discussion

Phosphorus is the critical element which accelerates the eutrophication process in surface waters (Bartsch, 1972; Schindler, 1973; Edmondson, 1974). Conventional municipal waste treatment plants are localized sources of phosphorus, a large portion of which is readily available for algal uptake and assimilation.

It has been estimated that waste discharges to surface waters in the United States annually contribute 200-550 million pounds of phosphorus (Anonymous, 1967).

If the assumption is made that 75% of the phosphorus discharged in wastewater was available for algal assimilation and was actually used, then theoretically one pound of discharged phosphorus could produce 3,000 pounds (wet weight) of algal biomass. This is an oversimplification and

TABLE 5

Effluent Phosphorus and Nitrogen Concentrations and Per Capita Loads as Related to Plant Size

Population Served	No. of Plants Sampled	Mean TP Conc. (mg/l)	Median TP Conc. (mg/l)	Mean TN Conc. (mg/l)	Median TN Conc. (mg/l)
0-2,500	249	6.74	5.55	16.38	13.21
2,501-10,000	156	6.54	5.78	16.10	14.70
10,001-50,000	77	6.15	5.90	17.76	15.10
>50,000	23	6.26	5.40	16.95	15.68

TABLE 6

Nitrogen to Phosphorus Ratios in Effluents of Various Types of Wastewater Treatment Plants

Plant Type	Total Nitrogen/ Total Phosphorus
Primary Settling	3.7/1
Oxidation Ponds	1.9/1
Sand Filters	2.6/1
Trickling Filters	2.5/1
Activated Sludge	2.5/1
Phosphorus Removal	5.2/1
All types combined	2.5/1

overstatement but does indicate the potential magnitude of the effect of phosphorus in wastewater on primary production in surface waters.

There are two mechanisms which can be used to reduce phosphorus in wastewater which may be used either separately or in combination; (1) banning the use of detergents which contain phosphates and/or (2) treating the effluent specifically to remove phosphorus. If the phosphate detergent ban is used one could expect reductions in effluent phosphorus concentrations of approximately 50%. If tertiary treatment for phosphorus removal is initiated, reductions of 50% to 99% can be achieved depending on the method and sophistication of the treatment process.

In terms of reducing effluent phosphorus concentrations or loadings, wastewater treatment plants impacting lakes or reservoirs with long hydraulic retention times should be given first priority, for these systems are the most difficult to reverse once they become enriched. Second priority should be given to plants impacting lakes or reservoirs which have short detention times and third priority to wastewater plants discharging to streams which do not impact lakes or reservoirs.

Consideration should also be given to background or natural phosphorus levels in surface waters. In those areas where natural runoff contains high concentrations of phosphorus, the effect of phosphorus reduction in wastewater effluents may be negligible so far as primary productivity in surface waters is concerned.

Survey data (U.S. EPA, 1974) from the northeast and north central lakes indicate that in the majority of cases there is little potential for improving the trophic condition of surface waters by removing the nitrogen in wastewater effluents although nitrogen treatment might be desired for other reasons, e.g., ammonia removal to prevent oxygen depletion by nitrification or nitrogen reduction to prevent excessive nitrate concentration in surface drinking water supplies. Abundant quantities of nitrogen usually are available from diffuse land runoff and precipitation falling directly on the lake surface. In addition, several of the most noxious forms of blue-green algae are capable of fixing atmospheric nitrogen. Survey data indicated (without consideration to the nitrogen-fixing capability of some blue-greens) that nearly all of the lakes in which nitrogen was limiting were eutrophic; although there are some exceptions to this observation such as Lake Tahoe which is oligotrophic but nitrogen-limited.

Conclusions

The National Eutrophication Survey received and analyzed for phosphorus and nitrogen content effluent samples for 505 municipal waste treatment facilities serving approximately 6,600,000 people. The following conclusions were reached:

1. Median total phosphorus effluent concentrations by state ranged from 3.4 mg/l to 8.8 mg/l. The lowest concentrations were achieved by those states which either had phosphate detergent bans or were using phosphorus removal processes in a number of sampled plants.

2. Median total nitrogen concentrations by state ranged from 10.46 mg/l to 19.10 mg/l.

3. For all samples, the median total phosphorus concentration was 5.89 mg/l and the median total nitrogen concentration was 15.00 mg/l. Mean values were 6.56 mg/l for total phosphorus and 16.53 mg/l for total nitrogen.

4. For all sampled plants, median phosphorus and nitrogen loads, based on population served, were 2.2 pounds total phosphorus per capita per year and 6.0 pounds of total nitrogen per capita per year. Mean values were respectively 3.1 pounds and 8.4 pounds for phosphorus and nitrogen.

5. Little difference was observed in median effluent total phosphorus concentrations in conventional treatment types which did not include a phosphorus removal process. Median total phosphorus concentrations ranged from 5.64 mg/l to 6.43 mg/l.

6. Waste treatment facilities which specifically practiced phosphorus removal had a median total phosphorus concentration of 2.53 mg/l, less than 50% of the median value of conventional treatment processes.

7. Only 54% of the total phosphorus discharged after primary treatment was dissolved orthophosphorus whereas following various types of biological treatment, 72-83% of the total was orthophosphorus.

8. Total nitrogen and ammonia nitrogen concentrations were highest in effluents from primary treatment facilities and lowest in oxidation pond effluents.

9. The size of the wastewater treatment plants had no apparent relationship to the concentrations of phosphorus and nitrogen in the effluent.

10. The average N:P ratio in the effluents of all sampled plants was 2.5:1 and the range 1.9:1 to 5.2:1 for different types of treatment processes.

11. Nutrient concentrations and per capita nutrient loads may vary substantially from one plant to the next and are dependent on such factors as quantity and type of industrial waste load, type of treatment, extent of hydraulic infiltration and many other factors.

REFERENCES

Bartsch, A. F., 1972. Role of Phosphorus in Eutrophication. EPA Ecological Research Series #EPA-R3-72-001.

Edmondson, W. T., 1974. Editorial comment. Limnology and Oceanography 19: 369-375.

Schindler, D. W., et al., 1973. Eutrophication of Lake 227 by Addition of Phosphate and Nitrate: the Second, Third, and Fourth Years of Enrichment, 1970, 1971, and 1972. J. Fish. Res. Board Can. 30: 1415-1445.

U.S. Environmental Protection Agency, 1971. Methods for Chemical Analysis of Water and Wastes. National Eutrophication Research Center, Cincinnati, Ohio.

U.S. Environmental Protection Agency, 1974. The Relationships of Phosphorus and Nitrogen to the Trophic State of Northeast and North Central Lakes and Reservoirs. Pacific Northwest Environmental Research Laboratory, Corvallis, Oregon.

APPENDIX A

Summary of Effluent Data for Each Plant by State

STP SUMMARY BY STATION

STATION CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
010100A	ACTIVATED SLUDGE	3	1500	0.275	3.200	0.542	1.907	1.950	10.840	1.250	4.197	3.520	0.929	6.835
0101DE	PRI SETTLE+DIGEST	3	15000	6.000	7.100	2.100	3.629	3.200	11.540	2.980	7.519	7.458	4.468	9.300
0101DC	PRI SETTLE+DIGEST	2	315000	36.092	9.100	3.600	6.346	5.725	29.030	1.577	16.347	15.680	2.110	5.288
0101EC	TRICKLING FILTER	2	18000	2.536	8.500	2.600	6.021	6.650	24.700	5.180	15.411	15.700	2.963	10.560
0104AA	PRI SETTLE+DIGEST	3	3300	2.066	7.350	0.860	4.489	4.400	12.280	6.475	9.609	9.773	8.337	18.301
0104TA	ACTIVATED SLUDGE	3	28205	2.167	9.800	2.700	5.733	5.900	38.080	6.010	17.830	14.845	1.316	4.263
0104TH	ACTIVATED SLUDGE	3	287	0.021	7.000	1.650	4.475	4.700	16.060	4.080	11.021	12.042	0.896	2.291
0106AD	SEPTIC TANK	1	218	0.066	6.100	0.310	2.798	2.500	32.352	1.460	11.150	9.640	1.242	4.317
0106AF	POND	1	8100	0.347	8.700	3.450	5.762	5.100	8.990	2.160	6.460	6.640	0.753	0.846
0106AH	POND	1	2248	5.600	8.850	1.700	5.283	5.500	17.696	4.030	9.555	10.190	14.461	33.924
0106AA	ACTIVATED SLUDGE	1	659	0.117	26.300	0.450	6.564	3.600	18.900	1.560	7.678	7.610	3.423	3.240
0107AA	POND	1	1000	0.263	7.500	3.600	5.503	5.200	12.440	4.820	7.419	6.420	3.907	3.816
0107EA	TRICKLING FILTER	2	1500	0.450	5.900	1.150	2.590	2.150	16.490	3.040	8.090	7.465	2.390	7.414
0107GA	ACTIVATED SLUDGE	3	1749	0.625	8.400	0.900	3.950	3.450	16.660	3.020	7.942	6.875	9.146	11.472
0107GH	ACTIVATED SLUDGE	2	2300	0.764	3.500	0.920	2.058	1.725	8.200	1.750	4.958	5.250	1.930	5.126
0108CA	TRICKLING FILTER	2	4500	0.720	19.500	1.500	7.838	5.700	32.000	2.545	13.509	11.060	2.951	5.577
0111AA	PRI SETTLE+DIGEST	2	250000	25.375	10.000	3.600	7.262	7.500	27.600	15.600	21.897	22.030	2.198	6.672
0111AH	TRICKLING FILTER	2	26000	2.508	6.800	5.000	5.820	5.800	23.440	11.947	16.151	14.990	1.684	4.638
0111Z1	ACTIVATED SLUDGE	2	20000	1.382	6.650	1.750	3.981	3.800	26.120	5.795	8.932	7.110	0.817	1.907
0111S1	TRICKLING FILTER	2	42000	1.173	12.000	7.900	9.971	10.100	24.150	13.800	18.189	17.100	0.839	1.536
0112AA	TRICKLING FILTER	3	60000	7.297	15.700	5.900	10.612	9.950	18.013	12.280	14.642	14.112	4.202	5.358
0112DA	TRICKLING FILTER	2	7000	0.994	12.000	3.175	6.586	7.050	11.280	4.200	7.365	6.910	2.809	2.975
0112KA	POND	3	956	0.010	5.000	2.800	3.878	3.800	52.500	10.710	39.751	41.000	0.159	1.674
0112KC	ACTIVATED SLUDGE	2	50500	4.137	4.400	2.400	3.158	3.075	23.240	16.200	19.560	18.893	0.793	4.837
0113Z1	TRICKLING FILTER	1	70000	4.767	19.300	2.100	13.000	15.500	19.180	2.580	10.076	8.265	2.484	4.876

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 01

TOTAL PLANTS SAMPLED	25
TOTAL POPULATION SERVED	930022
TOTAL P LOAD/YEAR	2064306.
TOTAL N LOAD/YEAR	4955681.
MEAN P/CAPITA	2.220
MEDIAN P/CAPITA	2.198
MEAN N/CAPITA	5.329
MEDIAN N/CAPITA	4.837
MEAN TOTAL-P	6.066
MEDIAN TOTAL-P	4.750
MEAN TOTAL-N	13.424
MEDIAN TOTAL-N	10.500

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
090151	ACTIVATED SLUDGE	3	1500	0.338	9.600	1.030	4.874	5.200	28.400	4.285	13.958	11.850	3.122	8.848
090152	ACTIVATED SLUDGE	3	2500	0.390	11.000	0.025	7.770	8.900	36.200	2.380	20.632	21.425	3.789	10.173
090153	ACTIVATED SLUDGE	2	7000	1.818	8.500	3.200	5.629	5.400	23.120	8.090	15.443	15.220	4.829	14.176
090350	TRICKLING FILTER	3	44800	3.506	6.700	1.250	3.385	1.990	27.520	6.400	14.224	10.700	0.412	1.571
090450	SAND FILTER	3	1500	2.005	3.600	1.700	2.617	2.650	40.160	10.300	20.658	18.730	11.404	79.096
090451	SAND FILTER	3	500	0.334	10.500	3.100	5.796	5.450	23.260	6.530	11.728	10.820	10.978	23.894
090551	ACTIVATED SLUDGE	2	2000	0.238	9.900	5.600	7.973	8.100	30.200	12.210	21.716	23.400	2.878	7.794
090552	TRICKLING FILTER	2	22000	3.896	7.400	3.300	5.223	5.600	30.880	13.560	19.059	17.720	2.712	9.906
091050	SAND FILTER	3	600	0.407	6.830	4.000	5.619	5.396	33.025	5.040	9.774	7.050	11.544	20.496
091051	SAND FILTER	3	500	0.254	22.000	5.200	8.416	7.500	26.100	4.200	12.673	11.110	11.014	14.512
091150	ACTIVATED SLUDGE	2	7000	0.560	9.800	2.400	5.514	5.750	41.090	11.620	22.997	23.580	1.373	5.619
091151	TRICKLING FILTER	2	29000	8.610	6.600	3.600	5.383	5.400	25.150	10.000	14.759	14.085	4.847	13.239
091152	ACTIVATED SLUDGE	2	900	0.042	11.000	2.500	7.768	8.000	26.500	9.900	19.952	20.640	1.095	3.090
091153	ACTIVATED SLUDGE	2	4000	0.512	8.200	4.200	6.605	6.800	35.070	15.160	24.319	23.783	2.532	9.233

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 09

TOTAL PLANTS SAMPLED	14
TOTAL POPULATION SERVED	123800
TOTAL P LOAD/YEAR	328136.
TOTAL N LOAD/YEAR	1054959.
MEAN P/CAPITA	2.651
MEDIAN P/CAPITA	3.455
MEAN N/CAPITA	8.521
MEDIAN N/CAPITA	10.039
MEAN TOTAL-P	6.480
MEDIAN TOTAL-P	6.000
MEAN TOTAL-N	18.778
MEDIAN TOTAL-N	16.860

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
1005AA	ACTIVATED SLUDGE	2	2800	0.250	9.000	7.560	8.312	8.300	19.000	9.550	14.310	14.880	2.266	3.898
1007A1	ACTIVATED SLUDGE	1	250	0.017	38.500	2.100	7.925	4.450	140.080	3.650	27.932	19.360	1.538	5.994
1007AB	ACTIVATED SLUDGE	3	505	0.065	6.900	0.950	4.139	4.300	22.260	5.900	13.787	13.980	1.629	5.423

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

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SUMMARY FOR ENTIRE STATE 10

TOTAL PLANTS SAMPLED	3
TOTAL POPULATION SERVED	3555
TOTAL P LOAD/YEAR	7553.
TOTAL N LOAD/YEAR	15153.
MEAN P/CAPITA	2.125
MEDIAN P/CAPITA	1.629
MEAN N/CAPITA	4.263
MEDIAN N/CAPITA	3.423
MEAN TOTAL-P	7.435
MEDIAN TOTAL-P	5.000
MEAN TOTAL-N	22.487
MEDIAN TOTAL-N	14.880

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
1202CA	TRICKLING FILTER	3	6800	0.707	12.000	7.400	9.933	9.600	33.660	16.800	24.861	23.450	3.128	7.815
1203BA	TRICKLING FILTER	2	63000	6.667	8.400	3.400	5.696	7.050	21.090	3.320	13.045	14.645	2.142	4.257
1209AA	TRICKLING FILTER	2	7600	0.852	10.000	8.100	9.331	9.450	30.400	14.340	21.619	21.900	3.184	7.445
1210AA	TRICKLING FILTER	3	12000	1.201	10.500	8.225	9.361	9.300	27.480	10.200	23.005	23.991	2.858	7.057
1214EA	POND	2	11000	1.967	3.200	0.480	1.397	1.010	18.800	2.750	6.837	5.210	0.782	3.650
1215DA	POND	2	1700	0.173	9.500	2.800	6.315	6.300	14.700	2.760	9.319	8.635	1.963	2.891
1221BB	ACTIVATED SLUDGE	3	2500	0.195	14.000	6.600	9.236	9.100	25.300	4.660	12.145	10.300	2.191	2.970
1223AA	TRICKLING FILTER	2	1800	0.282	13.500	9.100	10.830	10.250	31.320	15.040	23.018	22.658	5.250	11.122
1223AB	ACTIVATED SLUDGE	3	9779	0.888	11.500	6.200	8.833	8.900	24.010	6.300	13.174	11.760	2.610	2.865
1231DA	ACTIVATED SLUDGE	1	9000	0.421	13.000	7.900	9.183	8.900	15.920	9.100	11.621	11.500	1.313	1.661
1232CA	ACTIVATED SLUDGE	3	1100	0.154	15.400	4.500	9.940	11.000	22.295	12.800	15.981	14.920	5.034	7.039
1236DA	TRICKLING FILTER	1	500	0.045	9.100	3.600	5.867	5.100	22.800	7.400	14.072	12.540	1.371	3.754
1239CA	TRICKLING FILTER	2	8272	0.758	27.000	3.200	8.331	7.200	115.360	8.220	25.402	18.600	2.100	6.256
1241DA	TRICKLING FILTER	2	6000	0.829	9.200	4.950	7.327	7.700	29.100	14.400	21.598	21.500	2.955	8.765
1241EA	TRICKLING FILTER	1	662	0.114	9.800	3.900	6.569	6.500	14.120	6.640	9.984	9.510	3.035	4.977
1242DA	TRICKLING FILTER	1	8200	0.792	8.200	4.400	6.325	6.350	41.300	11.500	21.551	18.380	1.854	6.255
1243BA	TRICKLING FILTER	1	3000	0.171	6.300	1.500	4.279	4.400	18.055	3.080	9.413	8.250	0.746	1.640
1247BA	ACTIVATED SLUDGE	2	50400	5.195	6.400	4.100	5.292	5.350	18.500	9.975	15.005	15.855	1.654	4.703
1247BB	ACTIVATED SLUDGE	2	11500	0.877	10.000	6.400	8.362	8.350	25.200	14.080	18.959	19.020	1.908	4.402
1248DA	ACTIVATED SLUDGE	3	35000	4.628	8.300	6.500	7.459	7.400	24.270	7.750	15.095	14.700	2.997	6.044
1258DC	ACTIVATED SLUDGE	2	100	0.004	11.500	6.430	8.663	8.600	34.000	6.460	22.540	24.500	0.978	2.375
1261AA	TRICKLING FILTER	3	4000	0.503	9.250	4.600	6.210	6.000	17.000	3.000	10.305	9.690	2.341	3.948

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 12

TOTAL PLANTS SAMPLED	22
TOTAL POPULATION SERVED	253913
TOTAL P LOAD/YEAR	559337.
TOTAL N LOAD/YEAR	1266761.
MEAN P/CAPITA	2.203
MEDIAN P/CAPITA	2.166
MEAN N/CAPITA	4.989
MEDIAN N/CAPITA	4.552
MEAN TOTAL-P	7.983
MEDIAN TOTAL-P	7.300
MEAN TOTAL-N	17.639
MEDIAN TOTAL-N	14.730

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
13010A	TRICKLING FILTER	2	5000	0.665	14.650	3.700	7.238	6.250	22.780	2.763	16.585	17.360	2.801	7.100
13012L	ACTIVATED SLUDGE	2	2000	0.310	18.800	8.500	11.787	11.150	21.100	10.180	15.387	14.950	5.484	7.366
1302FA	TRICKLING FILTER	1	11000	2.920	9.100	2.500	6.560	6.400	32.800	7.700	16.780	14.000	4.997	15.046
130221	ACTIVATED SLUDGE	2	300	0.198	9.050	2.200	5.583	5.300	25.080	7.900	16.329	16.775	9.073	35.703
130222	PRI SETTLE•DIGEST	2	3500	0.749	4.900	0.760	2.241	2.000	9.100	2.600	5.356	5.000	1.638	3.320
13048A	TRICKLING FILTER	2	6000	0.686	7.000	2.600	4.321	4.100	15.200	4.800	9.619	8.040	1.426	3.225
1304XA	TRICKLING FILTER	1	700	0.045	12.000	1.350	6.192	5.450	26.440	8.340	17.652	14.560	1.558	5.157
1304YA	POND	1	2500	0.288	8.100	5.300	6.271	6.100	18.100	6.580	10.965	10.590	2.237	3.971
130421	ACTIVATED SLUDGE	3	4100	0.459	30.000	6.600	11.792	9.800	13.000	3.460	7.987	8.200	3.870	2.434
130441	ACTIVATED SLUDGE	2	9231	0.227	12.000	2.500	8.006	8.050	16.700	1.380	9.665	10.650	0.502	0.668
130442	ACTIVATED SLUDGE	2	9231	0.730	28.800	4.200	10.372	9.500	22.160	10.200	15.097	14.150	6.942	5.358
13093B	TRICKLING FILTER	2	44000	2.910	10.500	6.900	8.650	8.650	29.000	11.460	14.412	17.500	1.750	3.848
1309BC	ACTIVATED SLUDGE	2	112000	10.590	9.475	5.800	7.637	7.400	20.300	11.440	15.231	14.910	2.194	4.215
1309FA	TRICKLING FILTER	2	6000	1.425	31.000	7.100	17.183	14.250	13.980	8.160	11.028	11.735	12.470	8.084
130921	TRICKLING FILTER	2	37000	3.625	10.500	6.200	9.190	9.475	21.500	12.100	15.282	14.570	2.780	4.775
130931	AERATED POND	1	1500	1.050	23.000	3.700	5.985	4.050	29.031	10.610	15.454	14.115	12.769	32.970
130941	TRICKLING FILTER	2	149000	14.650	6.800	4.450	5.481	5.400	19.000	10.000	14.597	14.500	1.640	4.298
1310HA	TRICKLING FILTER	2	18000	3.567	8.200	4.200	6.350	6.750	32.640	12.680	20.759	20.150	3.770	12.493
1312HA	PRI SETTLE•DIGEST	1	1800	0.383	13.000	3.450	7.950	6.200	21.060	10.270	17.725	18.985	4.773	10.721
1312JA	PRI SETTLE•DIGEST	2	1000	0.222	46.000	13.500	21.805	18.000	35.200	16.200	27.188	26.740	14.484	18.573
1313CA	ACTIVATED SLUDGE	1	2900	0.248	18.000	6.500	11.310	10.700	25.172	9.620	17.132	16.240	2.953	4.642
131321	POND	2	700	0.119	12.500	4.925	8.106	8.100	21.521	2.773	12.500	13.265	4.327	9.019
131322	POND	2	850	0.113	17.600	6.100	12.558	13.500	27.540	3.600	10.561	10.070	5.194	4.205
131331	ACTIVATED SLUDGE	1	300	0.155	22.000	7.700	14.418	13.750	33.930	11.800	22.081	22.635	22.355	34.282
131332	ACTIVATED SLUDGE	1	1500	0.252	14.250	3.150	7.842	7.850	33.020	6.920	19.486	19.616	3.872	9.506
1319AA	ACTIVATED SLUDGE	3	2500	0.062	15.200	4.600	8.750	8.700	10.000	2.560	5.312	5.032	0.634	0.399

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
131921	TRICKLING FILTER	1	18000	0.866	17.000	4.850	9.798	10.000	27.500	12.050	17.258	16.100	1.423	2.510

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 13

TOTAL PLANTS SAMPLED	27
TOTAL POPULATION SERVED	450612
TOTAL P LOAD/YEAR	1098757.
TOTAL N LOAD/YEAR	2249800.
MEAN P/CAPITA	2.438
MEDIAN P/CAPITA	3.770
MEAN N/CAPITA	4.993
MEDIAN N/CAPITA	5.157
MEAN TOTAL-P	9.906
MEDIAN TOTAL-P	7.900
MEAN TOTAL-N	16.126
MEDIAN TOTAL-N	14.200

RW

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
170AAA	TRICKLING FILTER	2	1000	0.119	7.500	4.900	5.835	5.575	15.500	8.000	11.697	11.800	2.111	4.221
170BAA	ACTIVATED SLUDGE	2	2200	0.390	12.600	2.200	6.007	5.100	45.024	8.400	19.292	14.830	2.886	8.954
171121	ACTIVATED SLUDGE	1	350	0.028	0.870	0.338	0.630	0.670	6.050	2.500	4.409	4.480	0.154	1.075
171131	SAND FILTER	1	180	0.060	5.100	0.410	2.579	2.100	24.200	14.000	20.035	20.500	0.417	20.354
1714AA	POND	1	4300	0.601	9.300	3.450	5.897	4.900	10.760	5.100	8.057	8.575	1.470	2.486
1714DA	ACTIVATED SLUDGE	3	3000	0.326	16.100	4.600	10.772	11.000	13.000	4.300	9.397	9.020	1.525	1.352
1725BA	IMHOFF	3	1200	0.100	7.400	2.600	4.503	3.800	15.060	6.150	9.371	8.640	1.152	2.392
1725CA	TRICKLING FILTER	1	16300	2.200	10.000	2.600	5.862	6.000	22.950	7.800	14.451	14.900	2.433	5.849
1727BA	ACTIVATED SLUDGE	2	3300	0.697	8.800	3.450	5.839	6.000	16.550	1.440	11.412	11.880	3.576	7.076
1733AA	TRICKLING FILTER	1	800	0.049	16.500	4.600	12.240	13.000	30.800	14.200	21.950	20.900	2.271	3.890
1733AB	TRICKLING FILTER	1	800	0.127	3.700	0.180	1.876	1.700	49.640	9.380	23.604	21.500	0.676	5.351
1735GA	TRICKLING FILTER	3	20000	1.880	10.000	3.750	5.790	5.150	12.350	1.580	8.480	9.450	1.648	2.486
1740AA	TRICKLING FILTER	3	110	0.007	13.000	3.300	8.767	8.600	77.000	20.700	46.394	44.000	1.629	8.998
1742XA	TRICKLING FILTER	1	2525	0.183	16.500	2.800	7.510	6.850	28.400	10.300	18.427	14.500	1.675	4.076
1750AA	ACTIVATED SLUDGE	2	7700	2.405	12.000	5.900	7.715	7.650	22.280	9.640	15.944	17.580	7.117	13.796
175221	ACTIVATED SLUDGE	2	1919	0.512	5.300	0.050	3.528	4.300	13.480	7.600	9.551	9.330	2.695	7.722
175321	TRICKLING FILTER	1	208	0.349	6.900	0.056	1.049	0.215	5.300	0.893	3.424	4.460	9.098	10.613
1759AA	TRICKLING FILTER	3	6000	0.676	7.400	2.200	5.386	5.300	28.300	16.160	21.123	20.940	1.797	6.798
175921	TRICKLING FILTER	1	150	0.028	19.500	0.630	7.739	8.000	20.500	2.840	12.366	13.210	11.207	13.190
1762AA	SAND FILTER	1	360	0.101	7.350	2.800	4.835	5.075	56.500	11.939	29.473	25.000	6.310	17.472

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 17

TOTAL PLANTS SAMPLED	20
TOTAL POPULATION SERVED	72402
TOTAL P LOAD/YEAR	188642.
TOTAL N LOAD/YEAR	404979.
MEAN P/CAPITA	2.605
MEDIAN P/CAPITA	1.954
MEAN N/CAPITA	5.593
MEDIAN N/CAPITA	6.324
MEAN TOTAL-P	6.340
MEDIAN TOTAL-P	5.300
MEAN TOTAL-N	17.248
MEDIAN TOTAL-N	11.840

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
1A11AA	ACTIVATED SLUDGE	2	2300	0.366	4.700	1.870	3.012	3.000	8.200	2.870	5.175	4.710	1.522	2.720
1A11AB	ACTIVATED SLUDGE	2	2496	0.236	5.500	1.050	3.505	3.300	22.190	6.400	13.398	13.244	0.843	3.367
1A11AC	TRICKLING FILTER	3	2300	0.386	5.750	1.250	2.614	2.500	47.760	6.230	12.864	9.870	1.208	6.080
1A11CA	TRICKLING FILTER	1	2480	0.468	15.700	0.860	3.845	2.400	16.815	6.960	10.794	8.240	2.339	5.834
1A11XA	POND	1	700	0.003	5.800	0.570	2.777	2.800	10.450	1.130	4.219	4.280	0.058	0.030
1A27AB	TRICKLING FILTER	1	5742	0.382	5.700	1.150	3.675	3.700	23.700	8.540	15.723	15.160	0.607	2.916
1A27AC	TRICKLING FILTER	1	2000	0.608	4.600	0.760	2.526	2.350	18.300	4.040	12.294	13.620	2.332	11.775
1A27AR	ACTIVATED SLUDGE	1	3474	0.407	14.500	0.910	4.516	2.000	33.680	7.300	17.504	11.710	1.383	5.791
1A27XA	TRICKLING FILTER	1	3000	0.401	6.100	1.700	4.512	5.000	31.100	2.440	19.579	20.360	1.720	7.355
1A27YA	ACTIVATED SLUDGE	1	200	0.009	6.050	2.400	4.326	4.940	29.019	6.820	16.696	16.635	0.572	2.102
1A27ZA	POND	1	130	0.007	4.700	0.810	2.768	2.400	24.020	1.040	6.544	3.420	0.712	3.754
1A28AA	ACTIVATED SLUDGE	1	200	0.150	15.700	2.800	8.742	7.350	43.020	7.140	25.753	22.560	19.982	58.866
1A29AA	TRICKLING FILTER	1	1338	0.212	5.600	0.540	2.927	2.600	20.700	4.800	13.024	11.900	1.198	5.795
1A29AC	TRICKLING FILTER	2	5500	1.471	7.600	1.750	4.640	4.350	9.780	3.240	7.635	8.500	3.831	7.277
1A29CA	ACTIVATED SLUDGE	3	2000	0.315	3.900	0.650	1.656	1.200	15.200	5.600	9.171	8.010	0.698	4.131
1A2921	ACTIVATED SLUDGE	3	1450	0.194	3.000	0.970	1.983	2.100	9.630	1.340	5.154	5.800	0.759	1.887
1A39AA	ACTIVATED SLUDGE	1	1702	0.157	5.900	0.960	3.223	2.450	29.750	1.200	17.169	18.380	0.802	4.098
1A42BA	TRICKLING FILTER	1	900	0.041	4.400	1.800	3.480	3.430	20.200	8.150	13.348	13.320	0.596	2.064
1A50AB	TRICKLING FILTER	2	4000	0.290	37.000	6.000	25.129	27.000	19.200	7.280	14.093	13.900	5.467	2.993
1A50AC	ACTIVATED SLUDGE	2	4000	0.277	23.000	4.800	16.952	18.335	15.300	5.600	11.355	11.300	3.570	2.323
1A54XA	TRICKLING FILTER	1	5117	0.713	5.200	1.000	2.707	2.400	15.900	4.080	9.258	9.375	1.020	3.818
1A56XA	TRICKLING FILTER	1	1043	0.143	7.600	2.900	5.735	6.100	28.920	16.500	22.205	21.450	2.272	8.773

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

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SUMMARY FOR ENTIRE STATE 18

TOTAL PLANTS SAMPLED	22
TOTAL POPULATION SERVED	52072
TOTAL P LOAD/YEAR	107350.
TOTAL N LOAD/YEAR	255851.
MEAN P/CAPITA	2.062
MEDIAN P/CAPITA	1.203
MEAN N/CAPITA	4.913
MEDIAN N/CAPITA	3.958
MEAN TOTAL-P	5.912
MEDIAN TOTAL-P	3.500
MEAN TOTAL-N	14.377
MEDIAN TOTAL-N	11.580

STP SUMMARY BY STATION

STATION CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
210244	ACTIVATED SLUDGE	1	2500	0.335	55.000	13.600	24.536	24.000	76.280	17.200	38.500	33.960	10.145	16.461
210344	TRICKLING FILTER	2	3230	0.228	50.000	8.000	19.058	17.650	48.600	10.160	28.091	29.200	4.403	6.374
210344	TRICKLING FILTER	2	2474	0.351	18.800	3.700	9.927	9.200	20.100	6.480	12.865	12.340	4.420	5.373
210344	TRICKLING FILTER	3	11542	1.600	14.700	1.850	6.577	6.300	28.000	10.460	16.462	13.800	2.741	6.919
210424	ACTIVATED SLUDGE	3	7308	0.460	8.800	2.050	5.172	3.450	8.300	2.940	5.932	5.950	0.972	1.172
210421	ACTIVATED SLUDGE	2	5700	1.500	6.300	1.900	3.132	2.600	18.180	8.140	13.381	13.480	2.456	10.608
210431	POND	1	3700	0.592	9.800	3.600	5.891	5.000	19.260	6.120	11.366	11.060	2.710	5.310
210441	POND	1	900	0.066	13.500	3.530	7.698	6.300	21.096	6.230	13.728	13.040	1.445	2.648
210451	POND	1	1200	0.752	7.700	3.200	4.591	4.400	14.040	4.600	6.987	5.740	7.545	17.599
210461	POND	1	2000	0.270	5.900	3.100	4.263	4.197	12.980	3.620	9.083	9.220	1.733	3.785
210471	TRICKLING FILTER	2	2000	0.363	9.600	2.700	5.718	4.800	12.200	4.160	8.179	8.840	2.997	4.527
210521	ACTIVATED SLUDGE	2	672	0.257	14.000	5.450	8.150	8.000	8.400	1.860	5.317	4.990	9.459	5.908

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 21

TOTAL PLANTS SAMPLED	13
TOTAL POPULATION SERVED	53296
TOTAL P LOAD/YEAR	195139.
TOTAL N LOAD/YEAR	437954.
MEAN P/CAPITA	3.661
MEDIAN P/CAPITA	2.997
MEAN N/CAPITA	8.217
MEDIAN N/CAPITA	5.908
MEAN TOTAL-P	9.509
MEDIAN TOTAL-P	6.050
MEAN TOTAL-N	16.309
MEDIAN TOTAL-N	12.040

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
231050	ACTIVATED SLUDGE	2	900	0.067	6.556	1.450	3.723	3.750	27.200	1.710	11.395	9.250	0.808	2.429
231250	ACTIVATED SLUDGE	2	750	1.232	3.000	0.560	1.384	1.400	63.086	27.420	45.870	47.168	6.920	226.154
231350	ACTIVATED SLUDGE	3	900	0.047	13.500	1.250	6.325	5.750	42.350	5.510	18.878	18.040	0.555	2.128

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 23

TOTAL PLANTS SAMPLED	3
TOTAL POPULATION SERVED	2550
TOTAL P LOAD/YEAR	6417.
TOTAL N LOAD/YEAR	173717.
MEAN P/CAPITA	2.516
MEDIAN P/CAPITA	0.808
MEAN N/CAPITA	68.124
MEDIAN N/CAPITA	7.429
MEAN TOTAL-P	4.291
MEDIAN TOTAL-P	3.540
MEAN TOTAL-N	24.623
MEDIAN TOTAL-N	18.040

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
240321	TRICKLING FILTER	2	300	0.010	13.500	3.600	9.585	9.200	25.000	10.400	19.350	18.520	0.914	2.222
240331	ACTIVATED SLUDGE	3	3000	0.607	5.600	2.600	4.708	4.900	29.400	9.900	19.611	19.000	1.756	8.134
240HXA	ACTIVATED SLUDGE	3	3000	0.113	12.000	8.800	9.783	9.050	16.800	4.400	10.807	10.800	1.120	1.193
240HYA	ACTIVATED SLUDGE	3	1000	0.082	17.000	10.500	13.286	12.500	29.800	16.500	22.443	21.500	3.257	5.609
240431	TRICKLING FILTER	1	2500	0.336	11.500	1.300	4.705	4.600	23.050	6.040	12.030	10.050	2.153	6.536

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 24

TOTAL PLANTS SAMPLED	5
TOTAL POPULATION SERVED	9800
TOTAL P LOAD/YEAR	17542.
TOTAL N LOAD/YEAR	50597.
MEAN P/CAPITA	1.790
MEDIAN P/CAPITA	1.756
MEAN N/CAPITA	5.163
MEDIAN N/CAPITA	5.609
MEAN TOTAL-P	8.980
MEDIAN TOTAL-P	8.800
MEAN TOTAL-N	18.637
MEDIAN TOTAL-N	16.800

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
250750	TRICKLING FILTER	2	55000	10.952	6.100	0.460	4.155	4.400	30.500	12.600	19.192	18.050	2.447	11.279
250850	TRICKLING FILTER	2	2300	0.508	22.000	5.100	8.573	7.200	34.310	14.000	25.922	27.260	6.110	17.160
250851	ACTIVATED SLUDGE	2	52000	12.119	8.500	2.100	4.835	4.700	29.100	12.720	20.611	19.654	3.183	14.277
251150	TRICKLING FILTER	2	500	0.068	9.500	3.450	5.645	5.600	18.300	10.200	12.755	12.500	2.302	5.412
251151	SAND FILTER	2	6000	0.873	8.600	2.700	4.617	3.600	28.050	1.240	9.366	6.300	2.092	4.354
251153	TRICKLING FILTER	1	9700	0.800	10.500	2.800	6.700	6.600	40.300	18.740	30.565	30.670	1.684	7.683
251250	TRICKLING FILTER	1	5500	1.740	10.500	2.100	6.481	6.950	20.500	8.570	13.829	12.440	3.018	8.332
251251	ACTIVATED SLUDGE	2	7500	0.779	9.800	1.600	5.067	5.250	17.400	1.840	8.236	7.540	1.544	2.594
251350	TRICKLING FILTER	3	10000	1.301	11.000	2.500	6.646	6.900	33.620	5.590	17.743	16.100	2.483	6.907
251351	ACTIVATED SLUDGE	2	5000	1.251	5.250	0.680	3.016	3.050	19.048	2.380	7.305	6.448	2.247	5.569

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 25

TOTAL PLANTS SAMPLED	10
TOTAL POPULATION SERVED	153500
TOTAL P LOAD/YEAR	408405.
TOTAL N LOAD/YEAR	1667746.
MEAN P/CAPITA	2.661
MEDIAN P/CAPITA	2.374
MEAN N/CAPITA	10.865
MEDIAN N/CAPITA	7.295
MEAN TOTAL-P	6.171
MEDIAN TOTAL-P	5.250
MEAN TOTAL-N	19.076
MEDIAN TOTAL-N	16.100

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
264051	TRICKLING FILTER	2	4500	0.321	5.600	2.500	4.388	4.300	21.900	12.300	17.427	17.300	0.911	3.628
264150	TRICKLING FILTER	3	3700	0.402	13.000	4.400	8.779	8.850	31.080	16.400	22.362	22.440	2.664	7.284
264151	ACTIVATED SLUDGE	3	1500	0.179	9.300	2.100	5.983	6.250	25.390	6.240	12.436	11.660	2.027	4.166
264152	TRICKLING FILTER	2	1975	0.391	8.900	3.900	7.027	7.550	25.000	12.300	16.851	16.410	4.046	9.622
264250	ACTIVATED SLUDGE	2	17150	3.152	6.100	0.410	4.130	5.250	23.285	8.100	17.561	18.495	2.535	9.386
260350	PRI SETTLE+DIGEST	2	4000	0.550	11.750	3.750	6.898	6.550	44.090	17.640	28.067	27.700	2.766	11.966
260351	ACTIVATED SLUDGE	2	83800	31.775	3.500	0.880	1.718	1.657	32.035	13.046	20.148	18.932	1.992	23.271
260352	TRICKLING FILTER	2	3915	0.740	13.100	6.100	8.419	8.300	63.000	12.820	22.586	20.280	4.938	13.364
260353	TRICKLING FILTER	2	2000	0.346	7.400	1.850	3.972	2.900	38.200	19.040	24.161	20.905	2.100	12.643
260354	TRICKLING FILTER	2	3020	0.504	7.700	2.150	5.612	5.650	30.260	8.100	20.179	19.790	2.676	9.626
260650	TRICKLING FILTER	2	1700	0.155	12.000	8.050	9.267	9.050	29.200	13.100	23.222	23.600	2.553	6.353
261050	PRI SETTLE+DIGEST	3	545	0.138	8.100	3.450	5.487	5.650	27.480	13.000	20.574	21.290	4.300	15.914
261051	PRI SETTLE+DIGEST	2	1750	0.414	13.500	5.900	8.965	9.700	32.618	17.980	25.042	25.700	6.308	17.877
261350	PHOSPHORUS REMOVAL	1	2300	0.484	1.400	0.490	0.864	0.855	16.280	7.000	12.680	13.005	0.555	8.083
261750	PHOSPHORUS REMOVAL	2	2700	0.585	2.600	0.680	1.328	1.140	14.770	6.600	9.550	8.810	0.944	6.566
262450	PRI SETTLE+DIGEST	3	8000	1.848	2.700	1.450	2.066	2.100	13.060	6.720	9.396	9.220	1.412	6.459
262451	IMHOFF	3	1950	0.132	16.000	5.250	9.450	8.500	55.480	23.550	35.535	33.090	1.669	4.898
262950	PHOSPHORUS REMOVAL	3	100000	16.558	4.200	0.270	1.265	0.980	22.000	10.600	16.100	15.900	0.638	8.050
262951	PRI SETTLE+DIGEST	3	1700	0.235	16.500	7.400	10.029	8.920	52.300	22.130	36.991	36.882	4.168	15.711
262952	TRICKLING FILTER	2	500	0.088	7.200	2.400	4.719	4.750	18.300	6.040	13.282	13.500	2.329	6.521
262953	ACTIVATED SLUDGE	2	21000	7.093	6.400	1.600	3.214	2.700	13.120	1.270	6.975	6.615	3.235	7.214
262954	PHOSPHORUS REMOVAL	2	43000	6.594	5.750	0.950	2.653	2.400	14.090	8.630	11.276	11.415	1.253	5.226
263150	TRICKLING FILTER	2	3760	0.471	8.200	4.700	6.377	6.300	27.860	10.630	17.978	21.060	2.399	6.827
264350	PHOSPHORUS REMOVAL	3	4500	0.765	1.850	0.720	1.193	1.150	18.190	3.520	10.131	10.195	0.614	5.073
264850	PHOSPHORUS REMOVAL	3	25000	4.378	5.800	1.000	2.467	1.750	17.290	6.210	11.266	10.630	1.310	5.980
264851	PHOSPHORUS REMOVAL	2	5000	0.537	51.250	1.320	12.332	4.700	28.170	13.500	20.142	19.370	4.520	6.445

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

S I P S U M M A R Y B Y S T A T I O N

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
266950	PRI SETTLE+DIGEST	2	7200	1.081	8.800	1.600	4.210	3.900	28.500	5.254	18.999	20.130	1.813	8.107
265150	PHOSPHORUS REMOVAL	3	8900	2.435	7.600	2.000	3.227	2.800	23.700	6.180	13.618	13.000	2.702	11.229
266950	ACTIVATED SLUDGE	2	13000	1.795	6.800	2.300	4.017	3.700	15.155	4.500	9.858	9.150	1.752	4.347
267150	PHOSPHORUS REMOVAL	3	13200	1.929	4.400	0.530	1.555	1.475	27.700	9.700	18.994	18.400	0.349	10.223
267250	PRI SETTLE+DIGEST	2	11995	1.100	6.300	0.530	2.566	1.925	30.240	15.904	24.034	26.197	0.656	6.991
267251	PHOSPHORUS REMOVAL	3	1645	0.504	8.800	1.400	4.233	3.450	21.600	5.740	12.472	11.580	3.951	11.133
267252	PHOSPHORUS REMOVAL	2	2050	0.303	8.400	1.890	4.818	4.450	18.460	6.400	14.913	15.500	2.197	6.899
267350	PRI SETTLE+DIGEST	3	2071	0.682	4.500	2.250	3.395	3.300	18.060	9.460	12.250	11.810	3.383	12.382
267950	PRI SETTLE+DIGEST	2	15000	1.851	9.200	3.750	6.174	6.000	44.440	17.670	26.572	25.070	2.255	9.643
267951	ACTIVATED SLUDGE	2	3200	0.342	10.000	3.200	5.440	4.700	51.900	9.400	19.367	17.700	1.682	5.699
268350	LAGOON	3	470	0.124	12.000	2.000	6.150	6.000	33.648	12.100	21.301	20.430	4.688	15.347
269250	TRICKLING FILTER	2	2300	0.378	11.500	3.300	6.329	5.500	26.200	6.300	17.604	18.075	2.863	8.154
269350	PRI SETTLE+DIGEST	2	9710	2.439	26.000	8.840	15.316	13.250	24.700	14.000	19.476	18.180	11.593	14.921
269350	PHOSPHORUS REMOVAL	3	3300	0.241	2.950	1.250	2.341	2.400	35.600	14.000	21.808	19.900	0.515	4.797
269951	PHOSPHORUS REMOVAL	2	3500	0.321	4.800	0.550	1.599	1.300	21.560	10.100	14.282	13.080	0.474	3.927

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 26

TOTAL PLANTS SAMPLED	41
TOTAL POPULATION SERVED	444506
TOTAL P LOAD/YEAR	827307.
TOTAL N LOAD/YEAR	4764309.
MEAN P/CAPITA	1.861
MEDIAN P/CAPITA	2.255
MEAN N/CAPITA	10.718
MEDIAN N/CAPITA	8.050
MEAN TOTAL-P	5.653
MEDIAN TOTAL-P	4.400
MEAN TOTAL-N	19.856
MEDIAN TOTAL-N	17.300

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
270251	TRICKLING FILTER	2	11490	0.941	12.500	8.400	10.490	10.400	49.060	19.920	35.145	33.200	2.628	8.827
270451	ACTIVATED SLUDGE	3	12195	1.373	11.500	6.400	8.418	8.200	40.020	17.660	25.563	26.085	2.884	8.820
270551	ACTIVATED SLUDGE	2	53766	8.714	16.500	9.900	13.191	13.600	21.180	15.500	18.835	19.100	6.434	9.306
270552	ACTIVATED SLUDGE	2	1419	0.174	9.100	5.000	7.500	7.450	25.400	14.030	20.063	20.200	2.814	7.521
270553	ACTIVATED SLUDGE	3	1640	0.469	50.000	8.200	18.072	15.000	10.565	1.525	4.236	3.350	15.244	3.396
270651	ACTIVATED SLUDGE	2	1385400	205.600	6.700	2.800	4.414	4.100	22.070	11.130	14.708	13.480	1.969	6.536
270653	ACTIVATED SLUDGE	2	2923	0.180	12.500	7.000	9.564	9.600	48.070	24.400	32.598	33.020	1.773	6.167
270654	TRICKLING FILTER	2	5587	0.246	16.500	10.500	13.355	13.600	57.995	28.440	45.385	47.290	1.799	6.086
270656	ACTIVATED SLUDGE	2	13419	0.938	23.000	7.900	13.640	13.500	71.545	14.950	38.097	34.230	2.450	7.266
270751	PHOSPHORUS REMOVAL	2	10191	1.831	4.000	0.670	2.597	2.950	37.900	1.080	12.474	10.780	1.376	7.019
270752	PHOSPHORUS REMOVAL	2	2987	0.422	7.900	1.850	5.406	5.850	25.045	8.90[illegible]	16.672	18.400	3.233	7.726
270753	ACTIVATED SLUDGE	2	1238	0.526	36.700	4.400	17.683	14.250	126.330	11.080	33.991	17.000	10.514	20.897
270851	ACTIVATED SLUDGE	2	12869	2.187	9.300	6.400	7.959	8.400	38.000	20.100	26.295	25.000	4.122	13.381
270951	ACTIVATED SLUDGE	3	713	0.129	7.700	0.960	4.689	4.700	21.160	1.490	11.347	11.810	2.705	6.570
271551	TRICKLING FILTER	3	6973	0.665	10.500	4.100	7.500	7.500	43.500	16.500	28.392	28.550	2.157	8.294
271851	TRICKLING FILTER	2	2287	0.400	6.600	3.525	4.421	4.300	39.900	13.100	19.177	16.287	2.353	10.353
270251	ACTIVATED SLUDGE	2	682	0.140	7.500	3.200	5.018	4.900	19.100	7.900	13.628	13.245	3.558	8.845
270351	TRICKLING FILTER	2	794	0.131	16.500	2.900	9.417	8.200	44.400	19.400	30.206	26.200	2.857	12.297
270251	ACTIVATED SLUDGE	3	19418	4.337	14.800	4.200	8.816	8.450	45.230	14.710	28.831	28.000	4.152	10.367
270951	TRICKLING FILTER	2	906	0.142	10.000	1.650	7.232	7.800	39.200	9.200	22.728	22.920	3.101	12.620
271351	TRICKLING FILTER	3	3275	0.413	11.500	6.000	8.708	8.800	32.100	3.940	17.849	18.300	3.306	6.789
271451	ACTIVATED SLUDGE	3	564	0.060	7.700	0.470	3.745	4.200	14.900	2.330	6.971	7.240	1.744	3.101
271551	DUMMY	1	1317	0.024	22.000	7.200	12.683	13.000	49.040	27.070	40.524	40.180	0.758	2.372
271651	TRICKLING FILTER	3	785	0.314	12.500	3.800	8.414	8.500	34.600	13.380	23.257	20.400	10.267	28.379
271951	ACTIVATED SLUDGE	2	1735	0.261	6.500	1.950	4.477	4.550	26.400	4.470	15.545	15.700	1.946	7.128
276551	PRI SETTLE+DIGEST	1	1085	0.058	16.000	0.046	6.003	0.230	50.150	0.475	17.554	1.525	0.956	2.585

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
274552	PRI SETTLE+DIGEST	3	220	0.096	6.600	0.542	1.902	1.150	16.270	5.100	8.048	7.700	2.530	10.703
274554	POND	3	1547	0.013	9.450	5.400	7.270	6.300	15.400	6.900	11.007	10.570	0.184	0.265
274751	TRICKLING FILTER	3	1807	0.221	11.000	5.000	7.630	6.830	41.600	13.870	24.283	23.165	3.250	7.976
274951	TRICKLING FILTER	2	3634	0.343	27.000	5.400	10.045	8.500	33.990	12.320	23.907	23.440	2.859	6.956
275351	TRICKLING FILTER	3	1214	0.204	19.000	3.725	7.185	7.400	16.250	6.335	12.557	13.400	3.485	6.055
275451	TRICKLING FILTER	2	12450	2.423	7.600	3.300	4.604	4.400	24.000	10.000	15.879	16.250	2.708	9.373
276051	ACTIVATED SLUDGE	2	1169	0.223	7.600	4.400	5.991	5.750	14.600	3.400	7.508	6.995	3.379	4.254
276052	ACTIVATED SLUDGE	3	350	0.274	4.950	1.100	2.777	2.700	22.600	1.290	6.639	3.813	6.351	15.828
276053	TRICKLING FILTER	3	1506	0.158	10.500	1.050	5.123	4.200	33.690	3.690	14.567	11.375	0.927	2.422
276054	ACTIVATED SLUDGE	2	7572	1.293	12.500	6.800	9.059	9.100	32.020	19.200	25.413	24.876	4.717	13.158
277451	PRI SETTLE+DIGEST	2	92000	15.708	7.600	3.100	5.785	5.750	43.300	11.650	20.425	18.820	2.909	10.134
277652	PRI SETTLE+DIGEST	2	9699	1.649	12.000	6.800	8.961	8.800	36.980	23.040	28.572	27.440	5.228	15.667
277653	PRI SETTLE+DIGEST	2	12000	1.080	10.500	4.100	6.725	6.700	50.640	12.040	28.566	27.925	1.811	7.148
277751	TRICKLING FILTER	3	1539	0.152	6.200	2.200	4.100	4.250	26.400	5.010	9.357	7.140	0.662	1.976
278751	TRICKLING FILTER	3	5797	1.058	9.750	2.400	6.118	5.600	19.900	2.930	9.290	4.500	3.309	4.739
278851	ACTIVATED SLUDGE	3	1341	0.196	8.200	2.400	5.350	5.300	20.000	11.980	15.040	14.500	3.207	6.496
279651	TRICKLING FILTER	2	1190	0.173	13.000	2.300	7.579	8.650	45.200	12.800	22.809	20.600	3.220	12.199

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

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SUMMARY FOR ENTIRE STATE 27

TOTAL PLANTS SAMPLED	43
TOTAL POPULATION SERVED	1709693
TOTAL P LOAD/YEAR	3903703.
TOTAL N LOAD/YEAR	12089914.
MEAN P/CAPITA	2.283
MEDIAN P/CAPITA	2.859
MEAN N/CAPITA	7.071
MEDIAN N/CAPITA	7.521
MEAN TOTAL-P	8.277
MEDIAN TOTAL-P	7.100
MEAN TOTAL-N	22.725
MEDIAN TOTAL-N	19.100

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STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
2R01C5	POND	1	250	0.025	8.800	3.300	5.929	5.800	16.040	3.982	9.574	9.570	1.417	3.051
2R01CC	POND	1	200	0.020	14.500	7.500	9.787	9.650	15.150	7.912	11.321	11.465	2.316	3.870
2R0221	POND	1	5000	0.250	9.500	5.400	6.519	6.000	26.120	2.170	10.176	9.760	0.950	1.558
2R0222	POND	1	5000	0.250	13.000	3.700	7.246	7.200	19.040	4.110	9.576	9.360	0.992	1.527
2R0223	POND	1	200	0.150	20.000	6.100	9.662	8.750	33.080	10.280	17.179	12.810	21.292	38.418
2R04RA	POND	1	300	0.011	19.000	5.500	11.135	10.000	28.125	8.060	16.728	16.037	1.229	1.932
2R04RH	POND	1	1000	0.558	5.500	2.050	4.369	4.600	32.020	15.830	23.100	23.625	6.988	39.382
2R05GA	TRICKLING FILTER	1	4000	0.500	11.400	5.000	6.812	6.700	35.040	13.680	18.475	17.000	2.644	7.052

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 28

TOTAL PLANTS SAMPLED	8
TOTAL POPULATION SERVED	15950
TOTAL P LOAD/YEAR	32719.
TOTAL N LOAD/YEAR	92815.
MEAN P/CAPITA	2.051
MEDIAN P/CAPITA	1.867
MEAN N/CAPITA	5.819
MEDIAN N/CAPITA	3.450
MEAN TOTAL-P	8.303
MEDIAN TOTAL-P	7.200
MEAN TOTAL-N	15.346
MEDIAN TOTAL-N	12.620

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STP SUMMARY BY STATION

STATE CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
330251	NONE	1	300	0.297	6.800	1.440	4.187	4.150	14.320	2.210	9.148	11.110	12.853	26.561
330395	TRICKLING FILTER	2	2000	0.372	9.700	2.600	5.696	5.100	34.480	7.740	18.910	20.555	3.157	10.170
330650	IMHOFF	2	4000	0.410	13.500	3.150	8.093	7.775	46.580	10.350	23.563	20.130	2.223	6.421

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 33

TOTAL PLANTS SAMPLED	3
TOTAL POPULATION SERVED	6300
TOTAL P LOAD/YEAR	19060.
TOTAL N LOAD/YEAR	53941.
MEAN P/CAPITA	3.025
MEDIAN P/CAPITA	3.157
MEAN N/CAPITA	8.570
MEDIAN N/CAPITA	10.170
MEAN TOTAL-P	6.425
MEDIAN TOTAL-P	5.250
MEAN TOTAL-N	18.309
MEDIAN TOTAL-N	15.700

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
340931	ACTIVATED SLUDGE	1	150	0.013	40.000	23.000	31.891	31.000	24.600	17.500	19.840	18.750	8.642	3.902
340941	ACTIVATED SLUDGE	1	31	0.002	10.000	6.200	8.287	8.500	23.750	5.520	18.867	21.400	1.658	4.191
3410AA	ACTIVATED SLUDGE	3	350	0.050	3.400	0.740	1.749	1.550	24.700	7.000	13.926	14.970	0.047	4.394
3410AC	ACTIVATED SLUDGE	1	105	0.017	7.200	1.750	4.433	3.950	16.350	6.400	11.875	13.175	2.175	5.801
3410AD	ACTIVATED SLUDGE	1	363	0.018	4.900	2.400	3.437	3.600	24.400	9.900	16.552	15.780	0.523	2.512
3410AE	SAND FILTER	1	240	0.144	12.000	3.100	6.726	7.350	21.330	4.710	12.772	11.430	13.464	43.803
3410AF	TRICKLING FILTER	1	200	0.136	6.950	0.355	3.812	3.900	16.000	2.200	5.952	4.900	14.404	10.072
3410AJ	ACTIVATED SLUDGE	1	600	0.005	7.800	0.147	1.733	0.420	25.360	0.770	8.961	2.820	0.008	0.045
3410AK	ACTIVATED SLUDGE	3	1400	0.015	8.300	1.280	5.998	6.500	45.450	14.630	28.211	29.600	0.197	0.985
3410AL	TRICKLING FILTER	1	65	0.005	25.000	8.400	17.925	18.500	34.370	13.510	21.104	18.660	4.329	4.718
3410ZA	TRICKLING FILTER	1	150	0.008	3.600	0.630	1.881	1.800	14.440	2.350	6.588	5.890	0.339	1.164
3412DA	TRICKLING FILTER	2	15000	1.156	8.500	3.450	6.579	6.700	31.080	11.040	23.763	24.680	1.531	5.479
3412EA	SAND FILTER	1	225	0.018	9.400	4.800	6.875	6.950	64.000	30.720	41.677	38.750	1.722	10.552
3412XA	ACTIVATED SLUDGE	2	7308	0.493	7.200	5.500	6.271	6.200	25.400	6.480	20.997	23.650	1.286	4.296
341521	ACTIVATED SLUDGE	1	450	0.020	8.800	4.800	6.836	6.950	20.900	9.060	14.904	15.900	0.926	2.019
341531	ACTIVATED SLUDGE	1	250	0.001	4.900	1.237	3.465	4.100	62.500	13.400	42.059	47.150	0.042	0.513
3419AC	TRICKLING FILTER	3	8000	1.061	8.100	1.450	3.956	3.800	29.750	6.520	16.728	17.300	1.502	6.008
3420BA	ACTIVATED SLUDGE	1	400	0.005	7.350	3.700	5.933	6.250	31.850	9.000	18.428	17.050	0.226	0.702
3423AA	ACTIVATED SLUDGE	1	405	0.045	7.750	2.900	5.625	5.900	23.500	11.700	17.786	18.200	1.774	5.995
3423XA	PRI SETTLE+DIGEST	3	530	0.005	7.100	1.680	4.726	5.200	16.800	10.000	11.869	11.150	0.129	0.299

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 34

TOTAL PLANTS SAMPLED	20
TOTAL POPULATION SERVED	36223
TOTAL P LOAD/YEAR	54786.
TOTAL N LOAD/YEAR	186106.
MEAN P/CAPITA	1.512
MEDIAN P/CAPITA	1.394
MEAN N/CAPITA	5.138
MEDIAN N/CAPITA	4.244
MEAN TOTAL-P	8.069
MEDIAN TOTAL-P	5.400
MEAN TOTAL-N	20.784
MEDIAN TOTAL-N	16.350

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
360455	TRICKLING FILTER	1	800	0.209	17.600	2.800	8.400	7.850	130.720	14.180	53.121	43.280	6.019	41.025
360952	PRI SETTLE+DIGEST	3	27000	7.494	7.650	1.500	4.096	3.250	31.260	8.500	18.984	16.810	2.250	11.263
360957	PRI SETTLE+DIGEST	2	3000	1.153	4.100	0.820	2.480	2.500	16.000	1.540	9.854	9.500	2.955	11.586
360958	NONE	3	700	0.184	6.700	1.200	3.300	3.000	8.350	3.680	6.295	6.320	2.210	5.459
361050	PRI SETTLE+DIGEST	3	3935	0.633	6.300	1.450	4.358	4.500	29.760	9.700	18.755	18.375	2.160	9.252
361051	PRI SETTLE+DIGEST	1	1300	0.182	7.950	1.450	4.115	3.450	36.070	12.200	20.979	18.360	1.690	8.698
361052	PRI SETTLE+DIGEST	2	5000	0.585	6.400	0.410	1.766	1.100	33.378	2.780	7.838	4.280	0.777	3.838
361150	ACTIVATED SLUDGE	3	1750	0.251	5.000	0.655	2.459	2.050	9.740	6.890	8.540	8.405	1.002	3.605
361153	POND	2	7440	1.031	6.300	0.350	3.268	3.477	25.780	8.760	18.892	20.015	1.434	8.156
361154	ACTIVATED SLUDGE	1	6000	0.500	9.800	1.750	5.433	5.800	44.370	9.100	27.019	32.398	1.380	6.862
361155	PRI SETTLE+DIGEST	2	1300	0.192	18.500	2.500	6.360	6.025	43.400	1.840	12.453	12.145	2.756	6.102
361156	POND	2	4100	0.569	8.300	3.300	5.085	5.100	23.000	7.300	15.192	15.700	3.511	9.874
361158	PRI SETTLE+DIGEST	2	41800	10.740	4.300	1.980	2.621	2.400	25.100	10.700	15.195	14.300	1.997	11.598
361159	PRI SETTLE+DIGEST	2	1280	0.052	9.100	3.800	5.755	5.825	44.042	12.915	31.523	33.040	0.746	4.037
361350	POND	2	2380	0.695	5.400	1.400	3.252	2.765	25.970	6.045	12.721	11.280	2.630	10.314
363350	SAND FILTER	1	16000	2.775	5.600	2.900	4.267	4.450	23.200	8.820	13.510	13.365	2.432	8.563
363550	POND	2	5770	0.988	7.000	3.250	4.746	4.600	40.000	11.588	19.146	16.250	2.362	9.350
363551	POND	3	1470	0.277	4.500	2.500	3.637	3.780	28.600	7.950	11.370	10.050	2.130	6.705
363552	TRICKLING FILTER	2	1600	0.131	10.500	2.350	4.463	3.800	31.580	11.490	20.034	17.520	1.036	4.556
363553		2	12000	2.048	4.400	2.500	3.546	3.600	25.185	1.953	16.697	18.060	1.851	8.561
363554	PRI SETTLE+DIGEST	2	19000	2.197	7.400	1.450	4.942	4.800	26.000	11.800	22.325	22.700	1.732	7.871
363555	PRI SETTLE+DIGEST	2	5000	0.376	33.000	7.250	12.471	11.000	55.420	19.830	30.757	29.135	3.027	7.516
363752	TRICKLING FILTER	2	5000	0.160	1.890	0.190	0.600	0.450	7.700	0.935	2.682	2.300	0.064	0.287
363753	TRICKLING FILTER	3	4300	1.428	4.900	1.500	3.529	3.750	23.190	6.520	17.159	19.045	3.145	15.751
363754	TRICKLING FILTER	3	375	0.670	5.800	0.610	2.997	2.825	21.100	4.710	11.939	12.200	17.266	64.520
363755	ACTIVATED SLUDGE	3	150	0.016	6.450	1.900	4.077	4.550	35.880	9.360	18.385	18.100	1.173	6.283

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
364104	ACTIVATED SLUDGE	2	1063	0.237	5.500	0.630	3.266	4.100	21.300	2.480	11.534	10.220	1.713	6.310
364105	ACTIVATED SLUDGE	1	3750	0.649	5.000	1.200	2.100	1.800	18.000	8.970	12.062	10.410	0.985	6.661
364154	TRICKLING FILTER	1	2500	0.550	5.000	0.610	2.696	2.700	21.900	4.660	10.884	10.580	1.297	5.213
364174	TRICKLING FILTER	1	2500	0.586	6.100	0.790	2.973	3.025	16.900	5.600	10.063	10.300	1.621	5.646
364194	ACTIVATED SLUDGE	1	50	0.001	4.000	0.670	1.888	1.750	74.120	20.500	39.864	36.700	0.082	2.062
364184	PRI SETTLE+DIGEST	2	25000	4.769	2.900	0.740	2.095	2.000	19.880	3.800	11.706	11.465	1.172	6.565
364144	ACTIVATED SLUDGE	3	450	0.019	9.000	4.400	6.464	6.600	19.400	7.080	12.554	11.400	0.843	1.641
364134	ACTIVATED SLUDGE	2	1320	0.130	6.800	2.300	4.142	4.050	23.700	8.380	12.908	12.390	1.243	3.875
364124	ACTIVATED SLUDGE	2	1483	0.243	4.000	1.000	1.997	1.850	11.310	3.800	6.089	5.195	0.943	1.741
364150	TRICKLING FILTER	3	1950	0.501	8.400	2.250	4.392	4.500	13.300	6.560	9.262	9.230	3.325	6.977
364151	ACTIVATED SLUDGE	2	1405	0.358	2.400	1.580	1.947	1.975	9.800	2.700	8.240	8.740	1.501	6.248
364154	PRI SETTLE+DIGEST	1	21850	3.298	3.600	2.150	2.658	2.500	23.880	10.540	15.110	13.665	1.214	6.514
364155	IMHOFF	1	1950	0.327	2.750	0.800	1.914	2.000	38.300	4.700	12.706	10.220	1.408	8.651
364156	ACTIVATED SLUDGE	2	9250	1.200	5.700	1.250	2.258	2.200	14.160	3.080	8.569	7.600	0.851	3.365

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

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SUMMARY FOR ENTIRE STATE 36

TOTAL PLANTS SAMPLED	40
TOTAL POPULATION SERVED	253371
TOTAL P LOAD/YEAR	459628.
TOTAL N LOAD/YEAR	2150914.
MEAN P/CAPITA	1.814
MEDIAN P/CAPITA	1.655
MEAN N/CAPITA	8.489
MEDIAN N/CAPITA	6.683
MEAN TOTAL-P	4.257
MEDIAN TOTAL-P	3.400
MEAN TOTAL-N	17.791
MEDIAN TOTAL-N	13.545

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
3704ZA	TRICKLING FILTER	3	5840	0.492	5.300	2.550	4.144	4.200	16.600	3.660	10.391	10.400	0.976	2.082
3705DA	ACTIVATED SLUDGE	2	3000	0.298	15.000	3.200	10.758	11.500	41.080	4.100	17.376	15.040	3.275	5.557
3705AA	TRICKLING FILTER	1	6000	0.556	8.500	1.150	3.422	2.200	48.030	2.220	12.166	8.600	0.941	3.219
3706AA	TRICKLING FILTER	3	2000	0.240	11.000	3.300	8.027	8.300	17.070	5.660	11.953	11.240	2.846	4.303
3706MA	TRICKLING FILTER	2	725	0.045	15.000	4.100	9.830	9.925	35.000	10.220	20.497	18.700	2.021	4.556
3706JA	ACTIVATED SLUDGE	3	15000	3.638	8.400	4.200	5.956	6.000	24.700	9.780	15.359	12.810	4.371	11.284
3706KA	ACTIVATED SLUDGE	2	16000	1.907	11.000	6.300	8.815	9.350	25.015	7.100	15.010	14.425	3.181	5.551
3706LA	ACTIVATED SLUDGE	3	2300	0.709	21.000	12.500	15.730	15.000	24.730	6.420	10.696	9.040	14.952	9.049
3706MA	ACTIVATED SLUDGE	2	4600	0.799	14.500	5.100	8.618	8.050	25.900	2.760	13.718	11.650	4.484	6.984
3706MB	POND	2	4000	0.994	29.000	3.600	10.845	7.900	32.800	8.000	16.887	15.110	8.302	11.417
3706NA	ACTIVATED SLUDGE	2	17000	3.315	20.000	4.200	7.619	6.700	29.160	9.120	20.913	20.480	4.404	12.182
3706XA	ACTIVATED SLUDGE	2	1800	0.400	5.800	1.600	3.505	3.000	13.900	5.360	9.903	10.900	3.353	7.653
3708XA	ACTIVATED SLUDGE	2	1000	0.245	10.500	2.800	4.780	4.300	15.440	4.340	10.288	9.600	3.507	7.773
3711XA	TRICKLING FILTER	1	1295	0.190	14.700	5.500	10.335	10.750	47.970	21.520	36.651	37.150	4.617	16.374
3713CA	ACTIVATED SLUDGE	1	2606	0.196	11.500	3.900	6.157	5.400	32.900	4.260	13.834	10.780	1.493	3.395
3713GA	PRI SETTLE+DIGEST	1	800	0.051	15.700	6.600	12.150	13.700	34.280	10.800	21.122	19.425	2.914	3.565
3717EA	TRICKLING FILTER	2	2300	0.424	5.000	1.000	2.833	3.125	10.500	1.080	6.625	6.600	1.261	3.189
3718HA	PRI SETTLE+DIGEST	3	12000	3.156	10.000	0.950	3.556	2.700	36.640	8.600	21.624	22.051	4.248	17.985

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 37

TOTAL PLANTS SAMPLED	18
TOTAL POPULATION SERVED	98266
TOTAL P LOAD/YEAR	383505.
TOTAL N LOAD/YEAR	901448.
MEAN P/CAPITA	3.903
MEDIAN P/CAPITA	3.314
MEAN N/CAPITA	9.174
MEDIAN N/CAPITA	6.271
MEAN TOTAL-P	8.379
MEDIAN TOTAL-P	6.800
MEAN TOTAL-N	16.547
MEDIAN TOTAL-N	12.575

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STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
3905AA	ACTIVATED SLUDGE	2	10000	1.380	10.500	3.300	6.489	7.000	23.120	8.480	16.159	17.480	2.944	5.230
3906AA	ACTIVATED SLUDGE	2	1536	0.203	16.800	4.300	10.711	11.000	19.300	6.600	11.982	12.100	4.153	4.950
3907AA	ACTIVATED SLUDGE	3	14000	1.691	7.650	2.200	4.833	4.400	26.032	9.020	16.422	16.720	1.744	5.869
3907EA	ACTIVATED SLUDGE	1	3500	0.488	5.600	1.300	2.894	2.475	18.020	5.960	11.182	10.010	1.043	4.253
3908AA	ACTIVATED SLUDGE	2	43000	8.897	6.000	1.950	3.831	4.000	174.080	5.130	57.135	46.280	2.370	36.965
3908XA	AERATED POND	1	2000	0.297	7.600	3.400	5.712	5.600	12.880	3.520	8.275	8.870	2.670	3.824
392121	ACTIVATED SLUDGE	3	3000	0.426	10.500	4.000	7.275	6.650	19.300	8.520	14.422	15.130	2.779	5.917
3924AA	IMHOFF	1	3600	0.381	13.500	7.100	10.150	9.650	36.880	9.131	20.228	18.987	3.218	6.822
3924AB	PRI SETTLE+DIGEST	2	1700	0.159	21.000	6.400	13.372	14.000	50.010	21.840	38.015	42.110	3.685	10.480
3928XA	TRICKLING FILTER	2	2900	0.347	9.850	3.530	5.753	5.400	19.600	6.700	14.222	15.900	1.938	4.859
3929AA	TRICKLING FILTER	3	30000	3.210	10.500	5.000	7.014	6.300	25.400	10.500	15.922	15.100	2.229	5.039
39318A	ACTIVATED SLUDGE	2	14000	1.050	9.600	6.000	8.114	7.600	19.240	10.668	15.119	14.952	1.844	3.433
3932AA	ACTIVATED SLUDGE	3	6000	0.739	11.500	2.000	5.610	5.325	16.050	2.840	10.593	11.040	1.961	3.839

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

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SUMMARY FOR ENTIRE STATE 39

TOTAL PLANTS SAMPLED	13
TOTAL POPULATION SERVED	135236
TOTAL P LOAD/YEAR	307386.
TOTAL N LOAD/YEAR	2050562.
MEAN P/CAPITA	2.273
MEDIAN P/CAPITA	2.370
MEAN N/CAPITA	15.163
MEDIAN N/CAPITA	5.039
MEAN TOTAL-P	7.845
MEDIAN TOTAL-P	6.300
MEAN TOTAL-N	21.490
MEDIAN TOTAL-N	14.952

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STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
4201XA	ACTIVATED SLUDGE	1	40000	2.958	6.900	4.600	5.938	5.800	19.100	6.160	15.065	16.095	1.365	3.435
4201XB	TRICKLING FILTER	1	700	0.048	2.600	2.100	2.357	2.400	12.800	7.350	10.459	10.740	0.889	3.918
4201XC	ACTIVATED SLUDGE	2	30000	2.674	10.000	5.900	8.257	8.313	19.500	12.800	16.808	18.100	2.214	4.641
4201ZA	ACTIVATED SLUDGE	1	1200	0.028	15.150	9.500	11.403	10.630	28.800	11.058	18.979	16.500	0.785	1.349
4207AA	PRI SETTLE+DIGEST	1	125	0.003	17.000	1.550	10.642	10.500	69.080	3.500	23.819	22.110	0.761	1.540
4207BA	ACTIVATED SLUDGE	1	1200	0.061	17.000	3.900	8.131	7.350	44.270	12.900	25.083	22.200	2.621	6.957
4207XA	TRICKLING FILTER	2	5500	0.458	15.000	2.000	8.833	8.600	35.720	8.700	22.151	20.410	2.796	7.244
4207Z1	ACTIVATED SLUDGE	2	400	0.006	15.000	1.600	5.604	4.470	40.160	1.880	17.599	16.660	0.274	0.867
4207Z1	ACTIVATED SLUDGE	1	120	0.007	15.000	2.400	10.294	11.500	52.600	2.850	23.347	18.700	2.240	5.164
4213GA	ACTIVATED SLUDGE	1	1200	0.138	10.000	3.100	6.168	5.450	17.500	3.740	8.568	7.640	1.981	2.906
4216AB	TRICKLING FILTER	2	10000	1.580	12.000	4.800	7.437	6.650	19.800	7.140	14.204	14.900	3.264	6.892
4216AC	TRICKLING FILTER	2	7013	0.604	9.200	1.250	5.032	4.900	22.200	5.520	11.817	11.100	1.048	2.622
4216AE	ACTIVATED SLUDGE	3	960	0.160	8.280	1.800	5.226	5.100	20.800	0.800	10.335	9.600	2.097	5.056
4216WA	NONE	1	4923	1.918	3.000	0.039	1.004	0.169	4.680	0.670	2.437	1.890	3.563	1.722
4216YA	ACTIVATED SLUDGE	1	1100	0.005	8.900	2.200	6.542	6.500	43.670	0.760	20.790	21.450	0.097	0.282
4216YB	NONE	1	1469	0.096	1.400	0.330	0.762	0.550	3.420	1.240	1.877	1.566	0.152	0.374
4216ZA	POND	1	94	0.004	8.900	1.800	5.075	5.000	29.120	0.940	9.890	6.880	0.589	1.113
4219AA	TRICKLING FILTER	1	55	0.002	9.450	2.600	5.355	5.375	47.800	15.100	31.431	32.590	0.665	4.965
4219XA	ACTIVATED SLUDGE	2	200	0.831	0.520	0.120	0.282	0.265	5.020	2.560	4.001	4.185	4.561	53.925
4225XA	TRICKLING FILTER	2	10000	1.552	7.200	2.050	5.629	6.000	24.200	9.400	15.755	15.500	2.807	8.495
4227AA	TRICKLING FILTER	3	3316	0.268	4.700	1.965	2.861	2.575	18.500	9.100	13.307	13.400	0.702	3.273
4229EA	ACTIVATED SLUDGE	2	400	0.045	0.740	0.050	0.280	0.135	10.290	1.040	4.620	2.120	0.099	1.069
4229ZA	ACTIVATED SLUDGE	3	300	0.036	23.000	8.200	11.133	9.850	31.940	4.800	15.569	12.900	4.277	6.275
422921	ACTIVATED SLUDGE	1	1000	0.005	9.400	0.890	3.938	3.600	46.000	2.460	14.670	8.650	0.069	0.267

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 42

TOTAL PLANTS SAMPLED	24
TOTAL POPULATION SERVED	121275
TOTAL P LOAD/YEAR	236613.
TOTAL N LOAD/YEAR	544459.
MEAN P/CAPITA	1.951
MEDIAN P/CAPITA	1.207
MEAN N/CAPITA	4.493
MEDIAN N/CAPITA	3.354
MEAN TOTAL-P	6.435
MEDIAN TOTAL-P	5.600
MEAN TOTAL-N	16.170
MEDIAN TOTAL-N	12.900

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STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
440351	SAND FILTER	2	7800	2.613	5.200	2.300	3.425	3.275	17.860	7.810	12.441	12.915	3.389	12.459
443550	ACTIVATED SLUDGE	2	423	0.078	10.400	4.900	6.867	6.900	30.410	5.560	13.442	10.450	1.812	3.604

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 44

TOTAL PLANTS SAMPLED	2
TOTAL POPULATION SERVED	8723
TOTAL P LOAD/YEAR	28109.
TOTAL N LOAD/YEAR	100504.
MEAN P/CAPITA	3.222
MEDIAN P/CAPITA	2.601
MEAN N/CAPITA	11.522
MEDIAN N/CAPITA	8.031
MEAN TOTAL-P	5.340
MEDIAN TOTAL-P	4.900
MEAN TOTAL-N	14.150
MEDIAN TOTAL-N	11.930

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STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
4504AA	PRI SETTLE+DIGEST	1	1000	0.078	16.000	4.700	9.994	9.425	34.046	7.720	21.448	22.040	2.411	5.193
4504BA	POND	3	600	0.265	9.200	1.900	6.000	6.300	14.180	5.045	10.817	11.720	9.160	19.102
4504CA	TRICKLING FILTER	3	115000	25.636	10.500	6.300	8.695	9.450	35.800	17.090	23.138	20.792	5.901	15.649
4504XA	POND	1	4000	0.018	4.400	0.590	1.930	1.600	12.640	1.720	4.752	3.640	0.032	0.396
4504XB	AERATED POND	1	1200	0.214	14.500	0.290	7.539	7.700	41.520	1.300	22.568	18.040	3.939	12.250
4505DB	POND	1	1000	0.070	9.000	1.950	3.364	2.850	18.880	6.323	10.220	8.380	0.704	2.811
4505DC	POND	1	800	0.136	6.400	3.150	4.698	4.700	19.720	6.340	10.607	9.550	2.440	5.510
4505DD	POND	1	2000	0.100	14.500	5.000	8.986	8.500	37.580	10.860	20.870	20.040	0.762	1.655
4505FA	POND	1	1500	0.313	6.800	4.400	5.567	5.550	18.320	6.880	10.445	9.720	3.831	6.972
4505JA	ACTIVATED SLUDGE	1	1154	0.121	13.000	5.400	9.300	9.500	14.980	1.870	9.427	10.350	4.149	4.855
4505UA	IMHOFF	1	1800	0.030	11.500	0.300	2.882	1.600	28.336	2.100	9.375	6.620	0.146	0.476
4505VA	POND	1	200	0.040	16.500	6.000	10.521	9.975	20.110	7.920	13.917	13.705	6.413	8.483
4505WA	AERATED POND	1	700	0.300	3.800	0.990	3.003	3.300	29.200	4.440	14.485	15.080	3.923	18.921
4505WB	POND	1	200	0.029	2.900	0.990	1.868	1.725	6.580	1.380	3.100	2.693	0.569	0.945
4505ZA	IMHOFF	1	1800	0.178	9.700	2.225	6.835	7.300	21.300	3.360	13.053	13.650	1.895	3.915
4505ZB	IMHOFF	1	350	0.040	12.800	2.200	9.094	10.500	25.500	5.090	18.460	21.975	2.654	5.498
450521	TRICKLING FILTER	3	3000	0.212	23.000	9.100	16.675	18.150	21.560	1.320	15.557	18.140	3.528	3.243
450531	ACTIVATED SLUDGE	1	3469	0.222	14.700	4.700	9.095	9.375	19.014	9.240	15.206	14.100	1.777	3.535
450541	ACTIVATED SLUDGE	3	2200	0.336	8.400	1.890	5.549	5.750	17.040	3.350	9.897	10.740	2.600	4.683
4507EA	TRICKLING FILTER	1	2500	0.343	17.500	8.800	12.445	12.500	36.190	14.640	26.585	27.300	5.172	11.004
4507XA	POND	1	500	0.048	18.800	11.500	16.123	16.500	52.500	22.600	35.036	37.000	4.951	13.755
4507XB	AERATED POND	1	300	0.040	38.500	20.000	25.842	25.000	39.230	19.030	28.287	26.700	10.575	11.509
4507YA	TRICKLING FILTER	1	4385	0.278	16.000	3.200	9.165	9.025	241.000	10.120	56.965	40.115	1.855	24.261
4507ZA	TRICKLING FILTER	1	1905	0.388	10.500	2.000	6.590	6.350	19.700	7.660	13.356	12.860	2.235	6.493
4508AA	IMHOFF	1	1200	0.151	5.300	2.700	3.956	3.750	26.060	8.100	14.900	13.982	1.846	7.710
4510XA	POND	3	1824	0.150	10.100	5.800	8.329	8.550	16.320	7.437	11.195	10.900	2.088	2.806

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
4511AA	NONE	3	900	1.121	3.100	1.200	2.116	2.000	9.120	3.280	6.420	6.300	7.975	24.205
4511CA	ACTIVATED SLUDGE	1	69615	4.583	1.650	0.680	1.291	1.350	7.180	3.360	4.531	4.470	0.255	0.899
4511JA	IMHOFF	3	2500	1.108	12.300	4.300	7.169	6.600	25.890	3.440	10.843	6.740	9.201	11.459
4511KA	PRI SETTLE+DIGEST	3	25402	1.317	14.000	7.300	11.471	10.750	39.078	12.437	22.115	20.400	1.986	3.339
4511VA	ACTIVATED SLUDGE	3	10000	0.380	9.100	2.600	6.427	6.600	21.990	7.080	12.961	12.020	0.715	1.470
4511XA	ACTIVATED SLUDGE	2	1000	0.104	10.500	4.100	7.744	8.175	27.630	12.160	21.334	22.404	2.736	6.666
4511YA	TRICKLING FILTER	2	3000	0.169	12.500	4.500	8.386	8.600	27.070	8.920	14.774	11.900	1.997	2.908
4514AA	TRICKLING FILTER	3	20000	1.991	8.600	4.200	6.282	6.400	22.000	10.600	13.769	12.390	1.901	4.239
4514XA	POND	1	2923	0.204	12.000	3.150	7.017	6.550	39.640	7.660	17.488	12.315	1.460	3.551
4516XA	SEPTIC TANK	1	400	0.156	14.500	6.400	9.285	7.900	18.040	2.340	11.503	10.850	9.146	8.928

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 45

TOTAL PLANTS SAMPLED	35
TOTAL POPULATION SERVED	289327
TOTAL P LOAD/YEAR	932475.
TOTAL N LOAD/YEAR	2411104.
MEAN P/CAPITA	3.223
MEDIAN P/CAPITA	2.426
MEAN N/CAPITA	8.333
MEDIAN N/CAPITA	5.345
MEAN TOTAL-P	8.569
MEDIAN TOTAL-P	7.000
MEAN TOTAL-N	16.896
MEDIAN TOTAL-N	13.000

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
4701CA	TRICKLING FILTER	1	5620	0.561	17.300	6.900	11.118	10.500	29.600	12.900	19.059	16.600	3.176	5.514
4701EA	ACTIVATED SLUDGE	3	1980	0.096	32.000	10.500	16.292	15.700	32.010	2.625	13.753	13.170	2.374	2.036
4701ZI	ACTIVATED SLUDGE	2	635	0.079	23.000	5.800	13.956	13.000	38.040	9.080	23.582	24.565	5.294	8.740
4704DC	ACTIVATED SLUDGE	3	3103	0.131	3.800	0.700	1.444	1.200	14.400	4.060	9.340	9.265	2.850	18.216
4706AA	ACTIVATED SLUDGE	2	3170	0.514	21.000	3.300	11.214	9.000	30.300	6.240	16.593	14.150	5.342	8.497
4706AB	ACTIVATED SLUDGE	3	450000	45.967	5.000	1.700	3.380	3.600	16.600	4.500	10.295	9.850	1.183	2.960
4706AC	ACTIVATED SLUDGE	3	40000	2.765	17.000	5.000	9.459	8.675	21.900	7.300	12.641	12.700	1.042	1.521
4706AD	ACTIVATED SLUDGE	3	10241	0.670	24.500	5.600	7.472	7.425	20.800	9.915	14.449	14.780	1.467	2.915
4706BA	TRICKLING FILTER	3	5923	0.487	14.650	5.250	10.397	11.500	14.200	4.140	8.431	7.270	2.024	1.742
4707AA	NONE	2	2140	0.233	9.400	2.400	6.721	7.200	17.960	8.460	14.609	15.540	2.214	4.770
4707ZI	ACTIVATED SLUDGE	3	20314	0.543	14.500	5.100	9.292	9.200	17.360	8.300	12.122	11.068	0.742	0.948
4708KA	TRICKLING FILTER	3	22500	2.313	11.500	3.200	7.111	7.700	24.540	6.720	13.490	10.475	2.113	4.170
4708TA	ACTIVATED SLUDGE	3	4361	1.800	2.900	1.100	1.927	1.925	6.170	1.839	4.128	3.750	2.448	5.237
4708XA	ACTIVATED SLUDGE	2	27000	4.875	12.500	2.200	7.523	8.500	22.400	5.800	14.939	15.570	3.640	7.541
4711JA	ACTIVATED SLUDGE	2	1532	0.181	39.000	4.700	15.000	14.000	31.900	4.700	12.698	10.015	3.755	3.748
4712HA	TRICKLING FILTER	2	36135	2.334	8.700	3.450	5.617	5.400	14.040	6.560	10.428	10.650	0.827	1.812
4712XA	ACTIVATED SLUDGE	3	9500	2.348	5.450	1.600	3.425	3.150	9.790	3.320	6.501	6.700	2.533	4.910
4712XB	TRICKLING FILTER	2	13309	1.564	7.000	2.800	5.150	5.100	17.000	1.080	11.073	11.565	1.836	4.102
4712ZZ	ACTIVATED SLUDGE	2	32030	6.893	8.100	1.350	3.885	3.800	21.032	7.600	12.728	12.085	1.622	6.492
4720KA	TRICKLING FILTER	3	1500	0.122	19.970	3.500	13.656	15.400	29.500	9.200	20.684	21.742	3.284	5.061
4720ZA	ACTIVATED SLUDGE	1	2100	0.631	17.000	4.700	8.550	7.200	10.750	6.000	8.447	8.700	7.711	8.088
4722AB	TRICKLING FILTER	2	5376	0.348	18.800	3.300	9.710	8.400	35.500	5.080	15.620	12.850	1.779	2.869
4723BA	TRICKLING FILTER	2	46594	2.355	17.500	3.900	10.373	9.400	19.500	2.160	11.560	9.460	1.959	2.114
4723BB	ACTIVATED SLUDGE	2	16982	1.200	12.500	2.500	6.750	5.450	24.040	6.700	14.148	11.600	1.280	2.793
4723EA	ACTIVATED SLUDGE	2	598	0.052	15.000	1.250	6.268	3.100	27.000	3.820	11.040	6.780	0.712	1.313
4723FA	ACTIVATED SLUDGE	1	3845	0.753	3.375	0.450	1.478	0.790	6.150	0.970	2.964	2.605	1.477	2.331

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
4723GA	ACTIVATED SLUDGE	3	6934	0.453	17.600	2.600	13.123	14.000	21.810	1.400	14.502	17.025	2.459	2.657
4723KA	ACTIVATED SLUDGE	1	9683	0.581	17.000	5.000	10.967	11.000	36.270	8.000	18.390	17.080	2.070	5.848
4723YA	TRICKLING FILTER	1	6000	0.544	19.500	3.400	11.425	11.150	27.120	6.880	16.987	15.060	3.165	4.706
4723YH	TRICKLING FILTER	1	2150	0.138	18.400	5.100	10.925	10.300	28.120	7.140	14.225	13.170	1.756	2.840
4724AA	TRICKLING FILTER	3	6700	0.574	18.000	4.400	10.500	9.300	32.100	6.810	16.680	16.835	2.430	4.209
4724CA	TRICKLING FILTER	2	12260	3.242	5.600	2.600	4.180	3.800	28.800	12.800	18.640	15.400	3.413	13.753
4724HA	TRICKLING FILTER	2	2200	0.216	14.000	2.100	7.387	7.550	28.231	6.480	14.786	14.700	1.736	4.450
4725CA	POND	1	3500	0.500	8.400	1.450	4.031	3.950	16.100	5.560	10.276	9.380	1.755	4.474
4725EA	IN-OFF	2	3500	0.412	8.000	3.750	5.460	5.400	14.260	6.440	9.488	8.060	1.889	3.237

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 47

TOTAL PLANTS SAMPLED	35
TOTAL POPULATION SERVED	821179
TOTAL P LOAD/YEAR	1252400.
TOTAL N LOAD/YEAR	2829772.
MEAN P/CAPITA	1.525
MEDIAN P/CAPITA	2.070
MEAN N/CAPITA	3.445
MEDIAN N/CAPITA	4.170
MEAN TOTAL-P	9.118
MEDIAN TOTAL-P	7.600
MEAN TOTAL-N	14.432
MEDIAN TOTAL-N	11.860

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
500152	PRI SETTLE+DIGEST	3	7000	1.362	9.350	1.050	5.558	5.770	30.410	7.800	21.496	23.505	3.070	12.087
500153	ACTIVATED SLUDGE	3	9000	0.791	6.200	1.175	3.431	3.500	48.640	6.980	17.634	14.515	1.099	11.722
500154	ACTIVATED SLUDGE	2	900	0.525	7.700	2.000	5.332	5.500	16.200	3.470	9.193	8.235	8.965	16.508
500155	ACTIVATED SLUDGE	2	1715	0.100	7.600	2.300	5.555	5.535	33.880	4.852	12.566	9.850	0.977	2.084
500156	ACTIVATED SLUDGE	2	2000	0.179	9.600	0.490	3.693	3.325	20.230	3.490	9.213	8.385	1.025	2.589
500159	PRI SETTLE+DIGEST	2	5350	0.605	10.500	4.000	6.729	6.650	43.250	22.620	32.103	31.900	2.350	10.216
500171	ACTIVATED SLUDGE	2	4000	0.777	7.900	0.095	0.942	0.246	58.200	36.400	44.743	43.250	0.143	29.683
500172	OXIDATION DITCH	1	3200	0.309	50.000	1.350	11.915	3.000	230.040	7.325	63.593	14.310	5.618	26.937
500173	AERATED POND	1	350	0.065	12.000	9.500	10.700	11.000	37.800	3.910	15.579	14.920	6.014	8.607
500174	ACTIVATED SLUDGE	3	900	0.141	5.500	0.893	3.096	3.200	17.320	3.690	12.352	13.530	1.405	5.656
500175	PRI SETTLE+DIGEST	3	3800	0.492	9.500	1.200	5.642	5.500	42.070	6.160	23.581	23.410	0.473	2.429
500178	PRI SETTLE+DIGEST	3	600	0.134	9.800	2.900	6.220	6.850	43.390	8.780	25.010	22.360	4.257	17.035
500179	TRICKLING FILTER	3	9000	3.426	8.300	3.000	6.380	7.300	31.960	10.350	20.061	18.525	7.074	23.177
500192	ACTIVATED SLUDGE	1	7198	0.660	6.810	2.400	4.278	3.900	25.730	2.090	11.856	11.500	1.069	2.641
500193	PRI SETTLE+DIGEST	2	5600	0.775	8.200	2.400	6.460	6.610	34.632	9.280	26.349	26.750	2.649	10.763
500551	PRI SETTLE+DIGEST	2	700	0.056	14.000	3.200	5.341	4.800	40.115	11.480	20.543	18.212	1.262	5.140
500557	TRICKLING FILTER	1	300	0.016	15.700	2.000	7.729	7.050	45.200	4.100	18.159	13.968	1.305	3.862
500851	PRI SETTLE+DIGEST	3	5000	1.270	12.500	1.100	7.850	8.150	29.889	5.800	21.322	21.735	5.621	15.640

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 50

TOTAL PLANTS SAMPLED	18
TOTAL POPULATION SERVED	65613
TOTAL P LOAD/YEAR	191974.
TOTAL N LOAD/YEAR	844763.
MEAN P/CAPITA	2.926
MEDIAN P/CAPITA	1.877
MEAN N/CAPITA	12.875
MEDIAN N/CAPITA	10.449
MEAN TOTAL-P	6.410
MEDIAN TOTAL-P	5.250
MEAN TOTAL-N	24.946
MEDIAN TOTAL-N	18.022

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
5103FA	TRICKLING FILTER	2	10500	0.380	4.000	3.300	4.962	4.700	20.640	4.760	11.434	10.400	0.526	0.773
5103YA	POND	1	200	0.125	32.000	22.000	25.311	25.000	34.120	4.090	18.037	16.060	48.308	34.033
5106BA	TRICKLING FILTER	2	13500	1.251	15.400	8.900	11.509	11.000	35.840	14.200	24.555	25.300	3.179	6.811
5106FA	PRI SETTLE+DIGEST	2	11300	1.360	14.000	4.100	10.806	11.625	34.080	15.280	22.438	21.770	3.986	8.370
5106FB	ACTIVATED SLUDGE	2	50000	10.732	7.700	4.500	6.044	5.750	20.950	7.100	11.989	10.380	4.002	7.921
5106MA	TRICKLING FILTER	1	2030	0.227	21.000	5.500	10.183	9.450	49.240	4.720	20.029	13.390	3.411	6.328
5106TA	PRI SETTLE+DIGEST	2	940	0.089	2.800	0.440	1.106	0.850	9.860	1.190	4.760	4.725	0.323	1.425
5106WA	POND	1	2000	0.231	16.000	7.100	10.733	9.500	35.200	10.900	22.494	23.440	3.700	7.618
5108FA	SEPTIC TANK	2	86923	4.615	23.000	12.000	17.300	17.450	56.700	28.880	44.361	42.820	2.812	7.218
5108TA	ACTIVATED SLUDGE	2	2900	0.329	5.500	0.410	2.530	2.600	22.300	5.900	11.357	10.100	0.881	3.914
5108UA	ACTIVATED SLUDGE	2	2200	0.189	12.500	1.680	5.661	4.100	21.280	6.620	10.658	8.505	1.490	2.813
5108UB	ACTIVATED SLUDGE	2	2000	0.674	6.800	4.500	5.629	6.000	21.000	13.040	16.463	16.480	5.801	16.826
5108VA	ACTIVATED SLUDGE	2	450	0.571	6.500	1.600	3.436	2.800	15.400	6.760	10.407	9.420	13.328	40.174
5108VB	ACTIVATED SLUDGE	2	2000	0.178	13.500	0.850	4.893	4.100	17.040	6.800	9.922	8.895	1.355	2.623
5108XA	AERATED POND	3	2670	0.822	3.500	0.770	1.928	1.975	23.660	12.120	18.500	19.200	1.625	15.441
5108YA	TRICKLING FILTER	3	5000	0.194	10.000	0.670	3.568	1.165	30.230	7.480	18.754	16.240	0.581	2.456
5108YB	AERATED POND	2	2670	0.310	13.500	3.400	8.608	8.625	22.900	10.120	18.564	21.440	3.848	7.784
5108ZA	PRI SETTLE+DIGEST	3	6800	1.786	2.200	0.240	0.939	0.420	16.600	4.900	11.035	12.000	0.650	7.958
5108ZB	ACTIVATED SLUDGE	3	8000	0.898	6.600	1.000	3.032	3.000	18.620	9.600	14.117	14.080	0.858	4.624
5110AA	ACTIVATED SLUDGE	2	98000	26.067	6.200	0.340	2.757	2.075	21.080	6.680	11.187	9.410	2.119	8.666
5110ZA	TRICKLING FILTER	2	140	0.005	10.500	6.600	9.450	10.250	49.500	15.040	26.320	24.800	1.026	2.845

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 51

TOTAL PLANTS SAMPLED	21
TOTAL POPULATION SERVED	310193
TOTAL P LOAD/YEAR	824974.
TOTAL N LOAD/YEAR	2343756.
MEAN P/CAPITA	2.660
MEDIAN P/CAPITA	2.119
MEAN N/CAPITA	7.556
MEDIAN N/CAPITA	7.219
MEAN TOTAL-P	8.642
MEDIAN TOTAL-P	6.000
MEAN TOTAL-N	20.206
MEDIAN TOTAL-N	15.500

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
5401GA	TRICKLING FILTER	1	4300	0.202	6.000	2.300	4.600	5.100	20.500	6.300	14.243	14.200	0.764	2.331
5401JA	TRICKLING FILTER	1	1800	0.177	7.600	1.150	3.940	3.200	13.200	3.020	5.162	3.835	1.077	1.598
5401XA	TRICKLING FILTER	2	11000	1.956	12.000	1.600	6.044	4.300	27.280	4.290	15.091	15.730	2.756	7.051
5401YA	ACTIVATED SLUDGE	3	2900	0.256	8.900	1.450	5.446	5.685	12.300	4.350	8.429	8.700	1.189	2.239
5404AB	TRICKLING FILTER	3	6000	1.222	8.500	2.800	5.933	6.400	17.640	9.080	13.652	13.200	3.575	8.364

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 54

TOTAL PLANTS SAMPLED	5
TOTAL POPULATION SERVED	26000
TOTAL P LOAD/YEAR	60433.
TOTAL N LOAD/YEAR	147136.
MEAN P/CAPITA	2.324
MEDIAN P/CAPITA	1.189
MEAN N/CAPITA	5.659
MEDIAN N/CAPITA	2.331
MEAN TOTAL-P	5.762
MEDIAN TOTAL-P	5.235
MEAN TOTAL-N	10.450
MEDIAN TOTAL-N	9.460

STP SUMMARY BY STATION

STORET CODE	TREATMENT TYPE	SAMPLING METHOD	POP SERVED	MEAN FLOW MGD	TOTAL-P MAX	TOTAL-P MIN	TOTAL-P MEAN	TOTAL-P MEDIAN	TOTAL-N MAX	TOTAL-N MIN	TOTAL-N MEAN	TOTAL-N MEDIAN	LOAD/CAPITA TOTAL-P	LOAD/CAPITA TOTAL-N
551951	PHOSPHORUS REMOVAL	3	509	0.036	11.750	1.300	4.392	4.000	20.100	2.340	9.505	9.600	1.014	2.030
552250	ACTIVATED SLUDGE	2	9164	1.835	11.000	2.700	7.031	6.750	29.270	11.427	20.461	22.060	3.998	11.920
552251	TRICKLING FILTER	2	5429	1.371	12.500	3.600	7.562	7.350	12.700	3.780	9.233	9.600	5.446	7.017
552253	POND	1	689	0.106	6.900	2.200	5.227	5.662	12.645	1.590	7.605	7.940	2.425	3.628
554850	PRI SETTLE+DIGEST	3	700	0.058	9.100	2.700	5.640	6.000	42.130	13.240	24.364	21.160	1.322	5.341
555151	ACTIVATED SLUDGE	2	32806	7.618	7.600	0.280	2.605	2.000	38.000	11.800	21.382	21.400	1.977	15.059
555152	TRICKLING FILTER	2	312	0.026	7.900	5.770	6.847	6.500	47.400	18.400	29.779	27.400	1.699	7.184
555154	ACTIVATED SLUDGE	3	1214	0.104	10.500	2.900	6.185	6.000	42.000	13.250	23.986	22.600	1.522	5.855
555450	TRICKLING FILTER	2	35515	6.935	11.500	1.400	5.827	5.900	56.075	18.730	40.595	44.275	3.419	24.317
555451	TRICKLING FILTER	2	3286	0.603	7.100	2.400	4.934	4.775	25.330	10.110	18.463	18.685	2.744	9.832
555452	PRI SETTLE+DIGEST	1	53221	11.207	5.700	1.400	2.607	2.300	21.037	9.440	15.117	14.125	1.673	9.206
555550	TRICKLING FILTER	2	7931	1.838	6.500	2.800	4.519	4.600	26.700	9.030	16.477	16.300	3.082	11.113
555651	ACTIVATED SLUDGE	3	977	0.149	17.000	1.370	7.857	8.000	35.010	11.210	22.098	22.025	3.517	10.080
555950	TRICKLING FILTER	2	40274	10.050	12.000	2.800	5.062	4.600	13.000	7.720	10.632	10.575	3.824	8.026

NOTE: SAMPLING METHOD 1=GRAB, 2=COMPOSITE, 3=GRAB AND COMPOSITE

SUMMARY FOR ENTIRE STATE 55

TOTAL PLANTS SAMPLED	14
TOTAL POPULATION SERVED	192018
TOTAL P LOAD/YEAR	537948.
TOTAL N LOAD/YEAR	2465096.
MEAN P/CAPITA	2.802
MEDIAN P/CAPITA	2.585
MEAN N/CAPITA	12.838
MEDIAN N/CAPITA	8.616
MEAN TOTAL-P	6.120
MEDIAN TOTAL-P	5.450
MEAN TOTAL-N	20.944
MEDIAN TOTAL-N	18.188